



- : not available on camera
 *1: not available on software
 *2: not test on software

For multi stream support:

Yes: multi stream fix to 500kbps/100kbps
 Yes*: multi stream setting support in Crystal

For PTZ:

Yes*: Joystick support to control PTZ speed in Crystal

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Camera Search Tool	Multi Stream Support	Remarks
ACD2000Q	A4Q-220-V3.04.08	MPEG4 M-JPEG	4	720x480	*2	*2	*2	*2	-	Yes	Yes	
Note: 1.Not support framerate 8 due to camera firmware issue.												
ACD2100	A1D-220-V3.08.08-AC	MPEG4 M-JPEG	1	720x480	1-way	2/2	Yes	Yes	-	Yes	-	
ACD2200		MPEG4 M-JPEG	4	720x480	1-way	8/8	Yes	Yes	-	Yes	-	Supported by design
ACD2300		MPEG4 M-JPEG	8	720x480	1-way	16/16	Yes	Yes	-	Yes	-	Supported by design
ACD2400	AGD-R2N-V2.05.02-AC	MPEG4 M-JPEG	16	720x480	1-way	32/32	Yes	Yes	-	Yes	-	
ACM1011	A1D-220-V3.10.22-AC	MPEG4 M-JPEG	1	640x480	1-way	-	-	Yes	-	Yes	-	
ACM1231		MPEG4 M-JPEG	1	1280x1024	1-way	-	-	Yes	-	Yes	-	Supported by design
ACM1232		MPEG4 M-JPEG	1	1280x1024	1-way	-	-	Yes	-	Yes	-	Supported by design
ACM1311		MPEG4 M-JPEG	1	720x480	1-way	-	-	Yes	-	Yes	-	Supported by design
ACM1431		MPEG4 M-JPEG	1	720x480	1-way	-	-	Yes	-	Yes	-	Supported by design
ACM1432		MPEG4 M-JPEG	1	720x480	1-way	-	-	Yes	-	Yes	-	Supported by design
ACM1511		MPEG4 M-JPEG	1	1280x1024	1-way	-	-	Yes	-	Yes	-	Supported by design
ACM3001		MPEG4 M-JPEG	1	640x480	1-way	-	-	Yes	-	Yes	-	Supported by design
ACM3011		MPEG4 M-JPEG	1	640x480	1-way	-	-	Yes	-	Yes	-	Supported by design
ACM3211		MPEG4 M-JPEG	1	720x480	1-way	-	Yes	Yes	-	Yes	-	Supported by design
ACM3311		MPEG4 M-JPEG	1	720x480	1-way	-	Yes	Yes	-	Yes	-	Supported by design
ACM3401		MPEG4 M-JPEG	1	1280x1024	1-way	-	-	Yes	-	Yes	-	Supported by design
ACM3411		MPEG4 M-JPEG	1	1280x1024	1-way	-	-	Yes	-	Yes	-	Supported by design
ACM3511		MPEG4 M-JPEG	1	1280x1024	1-way	-	-	Yes	-	Yes	-	Supported by design
ACM3601	A1D-220-V3.10.22-AC	MPEG4 M-JPEG	1	640x480	-	-	-	Yes	-	Yes	-	

ACM3603		MPEG4 M-JPEG	1	640x480	-	-	-	Yes	-	Yes	-	Supported by design
ACM3701	A1D-220- V3.10.22- AC	MPEG4 M-JPEG	1	1280x1024	-	-	-	Yes	-	Yes	-	
ACM3703		MPEG4 M-JPEG	1	1280x1024	-	-	-	Yes	-	Yes	-	Supported by design
ACM4000		MPEG4 M-JPEG	1	640x480	1-way	-	-	Yes	-	Yes	-	Supported by design
ACM4001		MPEG4 M-JPEG	1	640x480	1-way	-	-	Yes	-	Yes	-	Supported by design
ACM4100	A1D-220- V3.09.14- AC	MPEG4 M-JPEG	1	640x480	1-way	-	-	Yes	-	Yes	-	
ACM4200		MPEG4 M-JPEG	1	1280x1024	1-way	-	-	Yes	-	Yes	-	Supported by design
ACM4201		MPEG4 M-JPEG	1	1280x1024	1-way	-	-	Yes	-	Yes	-	Supported by design
ACM5001		MPEG4 M-JPEG	1	640x480	1-way	1/1	-	Yes	-	Yes	-	Supported by design
ACM5601	A1D-220- V3.08.08- AC	MPEG4 M-JPEG	1	1280x1024	1-way	1/1	-	Yes	-	Yes	-	
ACM5611		MPEG4 M-JPEG	1	1280x1024	1-way	1/1	-	Yes	-	Yes	-	Supported by design
ACM5711	A1D-220- V3.08.08- AC	MPEG4 M-JPEG	1	720x480	1-way	1/1	-	Yes	-	Yes	-	
ACM5811	A1D-220- V3.12.13- AC	MPEG4 M-JPEG	1	720x480	1-way	1/1	-	Yes	-	Yes	-	
ACM7411	A1D-220- V3.09.14- AC	MPEG4 M-JPEG	1	1280x1024	1-way	1/1	-	Yes	-	Yes	-	
Note:	A1D-220-V3.09.14-AC: There is problem at 160x112 resolution.											
ACM7511	A1D-220- V3.12.13- AC	MPEG4 M-JPEG	1	720x480	1-way	1/1	-	Yes	-	Yes	-	
ACM8201	A1D-220- V3.10.22- AC	MPEG4 M-JPEG	1	1280x1024	1-way	1/1	Yes	Yes	-	Yes	-	
Note:	A1D-220-V3.09.14-AC: There is problem at 160x112 resolution.											
ACM8211	A1D-220- V3.09.14- AC	MPEG4 M-JPEG	1	1280x1024	1-way	1/1	Yes	Yes	-	Yes	-	
ACM8511	A1D-220- V3.11.13- AC	MPEG4 M-JPEG	1	720x480	1-way	1/1	Yes	Yes	-	Yes	-	
AMU9401	A1D-220- V3.10.22- NB	MPEG4 M-JPEG	1	1280x1024	1-way	0/0	-	Yes	-	Yes	-	
AMU9711	A1D-220- V3.10.22- NB	MPEG4 M-JPEG	1	1280x1024	1-way	0/0	-	Yes	-	Yes	-	Supported by design

B210	Refer to E416 (V6.09.45)	H.264 MJPEG	1	3648x2736	1-way	1/1	Yes	Yes	-	Yes	Yes	Supported by design
Note:	1. Does not integrate PTZ(Delivered model can't use RS-485, we didn't workaround).											
B27	Refer to B47(v6.08.30)	H.264 / MJPEG	1	2048x1536	1-way	1/1	Yes	Yes	-	Yes	Yes*	Supported by design
B47	V6.08.30	H.264 / MJPEG	1	2048x1536	1-way	1/1	Yes	Yes	-	Yes	Yes*	
B410	Refer to E416 (V6.09.45)	H.264 MJPEG	1	3648x2736	1-way	1/1	Yes	Yes	-	Yes	Yes	Supported by design
B51	V6.09.45	H.264 MJPEG	1	2592x1944	1-way	1/1	-	Yes	-	Yes	Yes*	
Note:	1. Frame rate can not achieve to setting value with resolution above 800x600 in MJPEG.(Camera performance limitation) 2. When motion is triggered, frame rate is not unstable with format MJPEG.(Camera performance limitation)											
B53	V6.06.16	H.264 MJPEG	1	2048x1536	1-way	1/1	-	Yes	-	Yes	Yes*	
Note:	1.The camera with highest quality and resolution is unable to achieve 30 fps and audio stutter.[camera performance limitation]											
B61	V6.08.30	H.264 / MJPEG	1	2592x1944	1-way	2/2	Yes	Yes	-	Yes	Yes*	
B67	V6.06.16	H.264 MJPEG	1	2048x1536	1-way	2/2	Yes	Yes	-	Yes	Yes*	
Note:	1.The camera with highest quality and resolution is unable to achieve 30 fps and audio stutter.[camera performance limitation]											
B81	Refer to B61(v6.08.30)	H.264 / MJPEG	1	2592x1944	1-way	2/2	Yes	Yes	-	Yes	Yes*	Supported by design
B94	V6.06.16	H.264 MJPEG	1	1280x960	1-way	1/1	Yes	Yes	-	Yes	Yes*	
Note:	1.The camera with highest quality and resolution is unable to achieve 30 fps and audio stutter.[camera performance limitation]											
B95	A1D-500-V6.05.23-AC	H.264 MJPEG	1	1920x1080	1-way	1/1	Yes*	Yes	-	Yes	Yes*	
Note:	1. Camera cannot achieve maximum FPS with high resolution and bitrate. (Camera performance limitation) 2. Audio has noise. (Camera performance limitation)											
B97	V6.06.16	H.264 MJPEG	1	2048x1536	1-way	1/1	Yes	Yes	-	Yes	Yes	
CAM5130		MPEG4	1	720x480	1-way	1/1	-	Yes	-	Yes	-	Supported by design
CAM5140		MPEG4	1	720x480	1-way	1/1	-	Yes	-	Yes	-	Supported by design
CAM5150		MPEG4	1	720x480	1-way	1/1	-	Yes	-	Yes	-	Supported by design
CAM5200		MPEG4	1	720x480	-	1/1	-	Yes	-	Yes	-	Supported by design
CAM5201		MPEG4	1	720x480	1-way	1/1	-	Yes	-	Yes	-	Supported by design
CAM5221	A1D-M2N-V2.08.11-AC	MPEG4	1	720x480	1-way	1/1	-	Yes	-	Yes	-	

CAM5300		MPEG4	1	720x480	-	1/1	-	Yes	-	Yes	-	Supported by design
CAM5301		MPEG4	1	720x480	-	1/1	-	Yes	-	Yes	-	Supported by design
CAM5321		MPEG4	1	720x480	-	1/1	-	Yes	-	Yes	-	Supported by design
CAM5500		MPEG4	1	720x480	-	1/1	-	Yes	-	Yes	-	Supported by design
CAM6100		MPEG4	1	720x480	-	2/2	Yes	Yes	-	Yes	-	Supported by design
CAM6200	A1D-2.07.14-AC	MPEG4	1	720x480	-	2/2	Yes	Yes	-	Yes	-	Supported by design
CAM6220	A1D-2.07.14-AC	MPEG4	1	720x480	-	2/2	Yes	Yes	-	Yes	-	Supported by design
CAM6500		MPEG4	1	720x480	1-way	2/2	Yes	Yes	-	Yes	-	Supported by design
CAM6510	A1D-M2N-V2.08.11-AC	MPEG4	1	720x480	1-way	2/2	Yes	Yes	-	Yes	-	
CAM6520		MPEG4	1	720x480	1-way	2/2	Yes	Yes	-	Yes	-	Supported by design
CAM6600		MPEG4	1	720x480	1-way	2/2	Yes	Yes	-	Yes	-	Supported by design
CAM6610		MPEG4	1	720x480	1-way	2/2	Yes	Yes	-	Yes	-	Supported by design
CAM6620		MPEG4	1	720x480	1-way	2/2	Yes	Yes	-	Yes	-	Supported by design
CAM6630		MPEG4	1	720x480	1-way	2/2	Yes	Yes	-	Yes	-	Supported by design
CAM7100		MPEG4	1	720x480	1-way	1/1	-	Yes	-	Yes	-	Supported by design
CAM7120		MPEG4	1	720x480	1-way	1/1	-	Yes	-	Yes	-	Supported by design
CAM7200		MPEG4	1	720x480	1-way	1/1	-	Yes	-	Yes	-	Supported by design
CAM7220		MPEG4	1	720x480	1-way	1/1	-	Yes	-	Yes	-	Supported by design
CAM7300		MPEG4	1	720x480	1-way	1/1	-	Yes	-	Yes	-	Supported by design
CAM7301		MPEG4	1	720x480	1-way	1/1	-	Yes	-	Yes	-	Supported by design
CAM7320		MPEG4	1	720x480	1-way	1/1	-	Yes	-	Yes	-	Supported by design
CAM7321		MPEG4	1	720x480	1-way	1/1	-	Yes	-	Yes	-	Supported by design
CAM7322		MPEG4	1	720x480	1-way	1/1	-	Yes	-	Yes	-	Supported by design
KCM3211	A1D-311-V5.04.07-AC	H.264 MPEG4 M-JPEG	1	2032x1920	1-way	2/2	Yes	Yes	-	Yes	Yes	
Note:		KCM3211's PTZ only support Zoom and Focus.										
D11	V6.03.17	H264 MJPEG	1	1280x720	-	-	-	Yes	-	Yes	Yes	

D12	Refer to D52 (V6.03.17)	H264 MJPEG	1	2048x1536	-	-	-	Yes	-	Yes	Yes	Supported by design
D21	Refer to D11 (V6.03.17)	H264 MJPEG	1	1280x720	-	-	-	Yes	-	Yes	Yes	Supported by design
D22	Refer to E13 (V6.03.17)	H264 MJPEG	1	2592x1944	1-way	-	-	Yes	-	Yes	Yes	
D22FA	Refer to B51 (V6.09.45)	H.264 MJPEG	1	2592x1944	1-way	1/1	-	Yes	-	Yes	Yes*	Supported by design
D31	Refer to D11 (V6.03.17)	H264 MJPEG	1	1280x720	-	-	-	Yes	-	Yes	Yes	Supported by design
D32	Refer to D52 (V6.03.17)	H264 MJPEG	1	2048x1536	-	-	-	Yes	-	Yes	Yes	Supported by design
D41	Refer to D11 (V6.03.17)	H264 MJPEG	1	1280x720	-	-	-	Yes	-	Yes	Yes	Supported by design
D42	Refer to D52 (V6.03.17)	H264 MJPEG	1	2048x1536	-	-	-	Yes	-	Yes	Yes	Supported by design
D51	Refer to D11 (V6.03.17)	H264 MJPEG	1	1280x720	-	-	-	Yes	-	Yes	Yes	Supported by design
D52	V6.03.17	H264 MJPEG	1	2048x1536	-	-	-	Yes	-	Yes	Yes	
D54	Refer to D11 (V6.03.17)	H264 MJPEG	1	1280x720	-	-	-	Yes	-	Yes	Yes	Supported by design
D55	Refer to D52 (V6.03.17)	H264 MJPEG	1	2048x1536	-	-	-	Yes	-	Yes	Yes	Supported by design
D61	V6.03.17	H264 MJPEG	1	1280x960	-	-	-	Yes	-	Yes	Yes	
D62	Refer to E84 (V6.03.17)	H264 MJPEG	1	1920x1080	-	-	-	Yes	-	Yes	Yes	
D64	Refer to D11 (V6.03.17)	H264 MJPEG	1	1280x720	-	-	-	Yes	-	Yes	Yes	Supported by design
D65	Refer to D52 (V6.03.17)	H264 MJPEG	1	2048x1536	-	-	-	Yes	-	Yes	Yes	Supported by design
D71	Refer to D11 (V6.03.17)	H264 MJPEG	1	1280x720	-	-	-	Yes	-	Yes	Yes	Supported by design
D72	Refer to D52 (V6.03.17)	H264 MJPEG	1	2048x1536	-	-	-	Yes	-	Yes	Yes	Supported by design
D72A	QA-A1D-500-V6.07.24-AC	H264 MJPEG	1	2048x1536	1-way	1/1	-	Yes	-	Yes	Yes*	
D81	Refer to D11 (V6.03.17)	H264 MJPEG	1	1280x720	-	-	-	Yes	-	Yes	Yes	Supported by design
D82	Refer to D52 (V6.03.17)	H264 MJPEG	1	2048x1536	-	-	-	Yes	-	Yes	Yes	Supported by design
D82A	QA-A1D-500-V6.07.24-AC	H264 MJPEG	1	2048x1536	1-way	1/1	-	Yes	-	Yes	Yes*	
E11	Refer to D11 (V6.03.17)	H264 MJPEG	1	1280x720	-	-	-	Yes	-	Yes	Yes	Supported by design
E12	Refer to D52 (V6.03.17)	H264 MJPEG	1	2048x1536	-	-	-	Yes	-	Yes	Yes	Supported by design
E13	V6.03.17	H264 MJPEG	1	2592x1944	1-way	-	-	Yes	-	Yes	Yes	

Note:	For E13 and the certificate camera: 1. It will auto diconnect with software.											
E21	Refer to D11 (V6.03.17)	H264 MJPEG	1	1280x720	-	-	-	Yes	-	Yes	Yes	Supported by design
E210	Refer to E416 (V6.09.45)	H.264 MJPEG	1	3648x2736	1-way	1/1	Yes	Yes	-	Yes	Yes	Supported by design
E22	Refer to E13 (V6.03.17)	H264 MJPEG	1	2592x1944	1-way	-	-	Yes	-	Yes	Yes	
E22FA	Refer to B51 (V6.09.45)	H.264 MJPEG	1	2592x1944	1-way	1/1	-	Yes	-	Yes	Yes*	Supported by design
E23	Refer to E34 (V6.03.17)	H264 MJPEG	1	1920x1080	-	-	-	Yes	-	Yes	Yes	
E24	Refer to E34 (V6.03.17)	H264 MJPEG	1	2048x1536	-	-	-	Yes	-	Yes	Yes	
E25	Refer to D61 (V6.03.17)	H264 MJPEG	1	1280x960	-	-	-	Yes	-	Yes	Yes	
E26	Refer to E34 (V6.03.17)	H264 MJPEG	1	2048x1536	-	-	-	Yes	-	Yes	Yes	
E31	Refer to D11 (V6.03.17)	H264 MJPEG	1	1280x720	-	-	-	Yes	-	Yes	Yes	Supported by design
E32	Refer to E13 (V6.03.17)	H264 MJPEG	1	2048x1536	-	-	-	Yes	-	Yes	Yes	Supported by design
E33	V6.03.17	H264 MJPEG	1	2592x1944	1-way	-	-	Yes	-	Yes	Yes	
E34	Refer to D52 (V6.03.17)	H264 MJPEG	1	2048x1536	-	-	-	Yes	-	Yes	Yes	
E38	V7.00.44	H.264 MJPEG	1	1920x1080	-	-	-	Yes	-	Yes	Yes*	
Note:	1. Frame rate and bit rate can not achieve to setting value.(Camera performance limitation)											
E41	Refer to D11 (V6.03.17)	H264 MJPEG	1	1280x720	-	-	-	Yes	-	Yes	Yes	Supported by design

E416	V6.09.45	H.264 MJPEG	1	3648x2736	1-way	1/1	Yes	Yes	-	Yes	Yes	
Note:	1. Zoom speed doesn't work. (Camera performance limitation) 2. Bit rate is insufficient with format H.264. (Camera performance limitation) PTZ only support zoom & focus.											
E42	Refer to D52 (V6.03.17)	H264 MJPEG	1	2048x1536	-	-	-	Yes	-	Yes	Yes	Supported by design
E43	Refer to E13 (V6.03.17)	H264 MJPEG	1	2592x1944	1-way	-	-	Yes	-	Yes	Yes	
E44	Refer to E84 (V6.03.17)	H264 MJPEG	1	1920x1080	-	-	-	Yes	-	Yes	Yes	
E45	Refer to E34 (V6.03.17)	H264 MJPEG	1	2048x1536	-	-	-	Yes	-	Yes	Yes	
E46	Refer to E34 (V6.03.17)	H264 MJPEG	1	2048x1536	-	-	-	Yes	-	Yes	Yes	
E46A	V6.08.30	H264 MJPEG	1	2048x1536	1-way	1/1	-	Yes	-	Yes	Yes*	
Note:	1. In high resolution or high quality with MJPEG is unable to achieve framerate setting value and video will delay. (Camera performance limitation)											
E51	Refer to D11 (V6.03.17)	H264 MJPEG	1	1280x720	-	-	-	Yes	-	Yes	Yes	Supported by design
E52	Refer to D11 (V6.03.17)	H264 MJPEG	1	1280x720	-	-	-	Yes	-	Yes	Yes	Supported by design
E53	Refer to D52 (V6.03.17)	H264 MJPEG	1	2048x1536	-	-	-	Yes	-	Yes	Yes	Supported by design
E54	Refer to E13 (V6.03.17)	H264 MJPEG	1	2592x1944	1-way	-	-	Yes	-	Yes	Yes	
E55	Refer to D11 (V6.03.17)	H264 MJPEG	1	1280x720	-	-	-	Yes	-	Yes	Yes	Supported by design
E56	Refer to D52 (V6.03.17)	H264 MJPEG	1	2048x1536	-	-	-	Yes	-	Yes	Yes	Supported by design
E61	Refer to D11 (V6.03.17)	H264 MJPEG	1	1280x720	-	-	-	Yes	-	Yes	Yes	Supported by design
E618	Refer to E816 (V6.09.45)	H.264 MJPEG	1	3648x2736	1-way	2/2	Yes	Yes	-	Yes	Yes	Supported by design
E62	Refer to D52 (V6.03.17)	H264 MJPEG	1	2048x1536	-	-	-	Yes	-	Yes	Yes	Supported by design
E63	Refer to E13 (V6.03.17)	H264 MJPEG	1	2592x1944	1-way	-	-	Yes	-	Yes	Yes	
E64	Refer to E34 (V6.03.17)	H264 MJPEG	1	2048x1536	-	-	-	Yes	-	Yes	Yes	
E65	Refer to E34 (V6.03.17)	H264 MJPEG	1	2048x1536	-	-	-	Yes	-	Yes	Yes	
E66	Refer to D61 (V6.03.17)	H264 MJPEG	1	1280x960	-	-	-	Yes	-	Yes	Yes	
E67	Refer to E84 (V6.03.17)	H264 MJPEG	1	1920x1080	-	-	-	Yes	-	Yes	Yes	

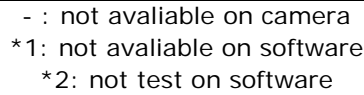
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KCM5511	V5.12.12	H.264 MPEG4 M-JPEG	1	1920x1080	1-way	2/2	Yes	Yes	-	Yes	Yes	
Note:	1. When the FPS setting for 2nd stream is 20 in dual mode, it will get false value (30).(Camera firmware issue) 2. In single mode, the resolution N1920x1080 in video format H264 actually display N1920x1072.(Camera firmware issue) 3 .In dual mode, when stream 1 video format setting changed, some of the stream 2 settings will be changed as well, it makes CGI return wrong stream2 resolution value.(Camera limitation issue)											
KCM5611	A1D-311-V5.12.12-AC	H.264 MPEG4 M-JPEG	1	1920x1080	1-way	2/2	Yes*	Yes	Yes	Yes	Yes*	
Note:	1.Max resolution with stream1 will be affected by stream2 and vice versa (Camera Firmware issue). 2.Motion detection does not support with MJPEG format (Camera Firmware issue). 3.Response is slow to RS485 (Camera Firmware issue).											
KCM7111	A1D-311-V5.04.07-AC	H.264 MPEG4 M-JPEG	1	2032x1920	1-way	2/2	-	Yes	-	Yes	Yes	
Note:	On-edge motion: H.264 and MPEG4.											
KCM7211	A1D-311-V5.04.07-AC	H.264 MPEG4 M-JPEG	1	2032x1920	1-way	2/2	Yes	Yes	-	Yes	Yes	
Note:	On-edge motion: H.264 and MPEG4.											
KCM7311	A1D-311-V5.05.07-AC	H.264 MPEG4 M-JPEG	1	2032x1920	1-way	2/2	Yes	Yes	-	Yes	Yes	
KCM7911	A1D-311-V5.10.02	H.264 MPEG4 M-JPEG	1	1920x1080	1-way	2/2	-	Yes	-	Yes	Yes	
Note:	1.Dual-Stream Resolution 1280x720 2.fisheye camera											
KCM8111	V5.10.02	H.264 MPEG4 M-JPEG	1	1920x1080	1-way	2/2	Yes	Yes	-	Yes	Yes	
KCM8211	Refer to KCM8111 (V5.10.02)	H.264 MPEG4 M-JPEG	1	1920x1080	1-way	2/2	Yes	Yes	-	Yes	Yes	
Q110	Refer to B51 (V6.09.45)	H.264 MJPEG	1	2592x1944	1-way	1/1	-	Yes	-	Yes	Yes*	Supported by design
Q112	Refer to B51 (V6.09.45)	H.264 MJPEG	1	2592x1944	1-way	1/1	-	Yes	-	Yes	Yes*	Supported by design
Q115	Refer to B51 (V6.09.45)	H.264 MJPEG	1	2592x1944	1-way	1/1	-	Yes	-	Yes	Yes*	Supported by design
Q19	Refer to B51 (V6.09.45)	H.264 MJPEG	1	2592x1944	1-way	1/1	-	Yes	-	Yes	Yes*	Supported by design
SED2100		MPEG4	1	720x480	1-way	2/2	-	Yes	-	Yes	-	Supported by design
SED2120	A1D-M2N-V2.08.11-AC	MPEG4	1	720x480	-	2/2	Yes	Yes	-	Yes	-	
SED2140		MPEG4	1	720x480	1-way	2/2	Yes	Yes	-	Yes	-	Supported by design
SED2310Q		MPEG4	1	720x480	1-way	2/2	Yes	Yes	-	Yes	-	Supported by design
SED2320Q		MPEG4	1	720x480	1-way	2/2	Yes	Yes	-	Yes	-	Supported by design
SED2400		MPEG4	2	720x480	1-way	2/2	Yes	Yes	-	Yes	-	Supported by design

SED2420	A1D-220-V3.08.08-AC	MPEG4	2	720x480	1-way	-	-	Yes	-	Yes	-	
SED2600		MPEG4	8	720x480	1-way	16/16	Yes	Yes	-	Yes	-	Supported by design
SED2610		MPEG4	8	720x480	1-way	16/16	Yes	Yes	-	Yes	-	Supported by design
SED26X0		MPEG4	8	720x480	1-way	16/16	Yes	Yes	-	Yes	-	Supported by design
TCD2100	A1D-310-V4.06.09-AC	H.264 MPEG4 M-JPEG	1	720x480	-	1/1	Yes	Yes	-	Yes	Yes	
TCD2500	A1D-310-V4.06.08-AC	H.264 MPEG4 M-JPEG	1	720x480	1-way	2/1	Yes	Yes	-	Yes	Yes	
TCM1111	A1D-310-V4.12.09-AC	MJPEG, MPEG4, H.264	1	1280x1024	No	-	-	Yes	-	Yes	Yes	
TCM1231	A1D-310-V4.06.09-AC	H.264 MPEG4 M-JPEG	1	1280x1024	1-way	1/1	-	Yes	-	Yes	Yes	
TCM1232		H.264 MPEG4 M-JPEG	1	1280x1024	1-way	1/1	-	Yes	-	Yes	Yes	Supported by design
TCM1511	A1D-310-V4.06.09-AC	H.264 MPEG4 M-JPEG	1	1280x1024	1-way	1/1	-	Yes	-	Yes	Yes	
TCM3001		H.264 MPEG4 M-JPEG	1	640x480	1-way	1/1	-	Yes	-	Yes	Yes	Supported by design
TCM3011	A1D-310-V4.07.10-AC	H.264 MPEG4 M-JPEG	1	640x480	1-way	1/1	-	Yes	-	Yes	Yes	
TCM3111	A1D-310-V4.12.09-AC	MJPEG, MPEG4, H.264	1	1280x1024	No	-	-	Yes	-	Yes	Yes	
TCM3401		H.264 MPEG4 M-JPEG	1	1280x1024	1-way	1/1	-	Yes	-	Yes	Yes	Supported by design
TCM3411	A1D-310-V4.06.09-AC	H.264 MPEG4 M-JPEG	1	1280x1024	1-way	1/1	-	Yes	-	Yes	Yes	
TCM3511	A1D-310-V4.06.00-AC	H.264 MPEG4 M-JPEG	1	1280x1024	1-way	1/1	-	Yes	-	Yes	Yes	
TCM4101		H.264 MPEG4 M-JPEG	1	640x480	1-way	-	-	Yes	-	Yes	Yes	Supported by design
TCM4201	A1D-310-V4.07.15-AC	H.264 MPEG4 M-JPEG	1	1280x1024	1-way	1/1	-	Yes	-	Yes	Yes	
TCM4301	A1D-310-V4.05.13-AC	H.264 MPEG4 M-JPEG	1	1280x1024	1-way	-	-	Yes	-	Yes	Yes	Supported by design
TCM4511	A1D-310-V4.12.09-AC	MJPEG, MPEG4, H.264	1	1280x1024	No	-	-	Yes	-	Yes	Yes	
TCM5001	A1D-310-V4.07.15-AC	H.264 MPEG4 M-JPEG	1	640x480	1-way	1/1	-	Yes	-	Yes	Yes	
TCM5111	A1D-310-V4.12.09-AC	MJPEG, MPEG4, H.264	1	1280x1024	No	-	-	Yes	-	Yes	Yes	
TCM5311	A1D-310-V4.05.13-AC	H.264 MPEG4 M-JPEG	1	1280x960	1-way	1/1	-	Yes	-	Yes	Yes	
TCM5312		H.264 MPEG4 M-JPEG	1	1280x960	1-way	1/1	-	Yes	-	Yes	Yes	Supported by design
TCM5601	A1D-310-V4.06.09-AC	H.264 MPEG4 M-JPEG	1	1280x1024	1-way	1/1	-	-	-	Yes	Yes	Supported by design

TCM5611	A1D-310-V4.06.09-AC	H.264 MPEG4 M-JPEG	1	1280x1024	1-way	1/1	-	-	-	Yes	Yes	
TCM6630	A1D-310-V4.12.09-AC	MJPEG, MPEG4, H.264	1	720x480	1-Way	2/1	Yes	Yes	-	Yes	Yes	
Note:	DI/DO can't work, FW issue											
TCM7011	A1D-310-V4.06.09-AC	H.264 MPEG4 M-JPEG	1	640x480	1-way	1/1	-	Yes	-	Yes	Yes	
TCM7411		H.264 MPEG4 M-JPEG	1	1280x1024	1-way	1/1	-	-	-	Yes	Yes	Supported by design
TCM7811	A1D-310-V4.07.15-AC	MPEG4 M-JPEG	1	1280x960	1-way	1/1	-	Yes	-	Yes	Yes	
TMU9811	A1D-310-V4.07.10-NB	H.264 MPEG4 M-JPEG	1	1280x1024	1-way	1/1	-	-	-	Yes	-	
TMU9911	A1D-310-V4.07.10-NB	H.264 MPEG4 M-JPEG	1	1280x1024	1-way	1/1	-	-	-	Yes	-	Supported by design
Note:	ACD / ACM series cameras do not support FW 3.11.11.											
Note:	Only two I/O are shown on the interface as adding one channel on video server.											
V21	H1.03.01	MJPEG H.264	1	960x576	1-way	1/1	Yes*	Yes	-	Yes	Yes*	
V23	H1.03.01	MJPEG H.264	4	960x576	1-way	4/4	Yes*	Yes	-	Yes	Yes*	
V24	H1.03.01	MJPEG H.264	4	960x576	1-way	4/4	Yes*	Yes	-	Yes	Yes*	
Note:	1.Camera is unable to achieve 30fps. (Camera Firmware issue)											
V32	H2.02.31	MJPEG H.264	16	960x576	1-way	16/16	Yes*	Yes	-	Yes	Yes*	



For multi stream support:

Yes: multi stream fix to 500kbps/100kbps
Yes*: multi stream setting support in Crystal

For PTZ:

Yes*: Joystick support to control PTZ speed in Crystal

[illegible]

For multi stream support:
 Yes: multi stream fix to 500kbps/100kbps
 Yes*: multi stream setting support

[illegible]



- : not available on camera
*1: not available on software
*2: not test on software

For multi stream support:
Yes: multi stream fix to 500kbps/100kbps
Yes*: multi stream setting support

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Multi Stream Support	Remarks
ADC-V520	0100h	H.264 MPEG4 MJPEG	1	1280x800	*1	1/0	-	Yes	Yes	Yes	
ADC-V620PT	0102b	H.264 MPEG4 MJPEG	1	1280x800	*1	-	Yes	Yes	Yes	Yes	
ADC-VS420	0100d	H.264 MPEG4 MJPEG	4	720x576	*1	4	*2	Yes	Yes	Yes	



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*2: not test on software
For multi stream support:
Yes: multi stream fix to 500kbps/100kbps
Yes*: multi stream setting support

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Multi Stream Support	Remarks
ADCi600-D131	AD00-00-15-11	MJPEG H.264	1	1280x720	1-way	2/1	-	Yes	*1	Yes	



- : not available on camera
*1: not available on software
*2: not test on software

For multi stream support:
 Yes: multi stream fix to 500kbps/100kbps
 Yes*: multi stream setting support

[illegible]



- : not available on camera

*1: not available on software

*2: not test on software

For multi stream support:

Yes: multi stream fix to 500kbps/100kbps

Yes*: multi stream setting support in Crystal

For PTZ:

Yes*: Joystick support to control PTZ speed in Crvstal

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	Camera Search Tool	Multi Stream Support	Remarks
AV1115	65225	H.264 M-JPEG	1	1280x1024	-	1(*2)/ 1(*2)	-	Yes	Yes	Yes*	
Note:	AV1115 include D4F-AV1115-3312 and D4S-AV1115-3312 1.DI can't trigger. 2.DO no response via CGI command.										
AV1125	refer to AV1115 (65225)	H.264 M-JPEG	1	1280x1024	-	1(*2)/ 1(*2)	-	Yes	Yes	Yes*	Supported by design
AV1145	refer to AV1115 (65225)	H.264 M-JPEG	1	1280x1024	-	1(*2)/ 1(*2)	-	Yes	Yes	Yes*	Supported by design
AV1255	refer to AV1115 (65225)	H.264 M-JPEG	1	1280x1024	-	1(*2)/ 1(*2)	-	Yes	Yes	Yes*	Supported by design
AV1300	64328	M-JPEG	1	1280x1024	-	-	-	Yes	Yes	Yes*	Supported by design
AV1305	refer to AV1115 (65225)	H.264 M-JPEG	1	1280x1024	-	1(*2)/ 1(*2)	-	Yes	Yes	Yes*	Supported by design
AV1310		M-JPEG	1	1280x1024	-	-	-	Yes	Yes	Yes*	Supported by design
AV1315	65191	M-JPEG H.264	1	1280x1024	-	-	-	Yes	Yes	Yes*	
AV1325		H.264 M-JPEG	1	1280x1024	-	-	-	Yes	Yes	Yes*	Supported by design
AV1355	65130	H.264 M-JPEG	1	1280x1024	-	-	-	Yes	Yes	Yes*	Supported by design
AV1455	refer to AV1115 (65225)	H.264 M-JPEG	1	1280x1024	-	1(*2)/ 1(*2)	-	Yes	Yes	Yes*	Supported by design
AV2000	64328	M-JPEG	1	1600x1184	-	-	-	Yes	Yes	Yes*	Supported by design
AV2100	64328	M-JPEG	1	1600x1184	-	-	-	Yes	Yes	Yes*	Supported by design
AV2105	64331	H.264 M-JPEG	1	1600x1184	-	-	-	Yes	Yes	Yes*	
AV2110		M-JPEG	1	1600x1184	-	-	-	Yes	Yes	Yes*	Supported by design
AV2115	65225	H.264 M-JPEG	1	1920x1080	-	1/1	-	Yes	Yes	Yes*	
AV2116	refer to AV2115 (65218)	H.264 M-JPEG	1	1920x1080	-	1/1	-	Yes	Yes	Yes*	Supported by design
Note:	AV2115 include D4F-AV2115-3312 and D4S-AV2115-3312										
AV2125	65201	H.264 M-JPEG	1	1920x1056	-	1/1	-	Yes	Yes	Yes*	
AV2146	refer to AV2115 (65225)	H.264 M-JPEG	1	1920x1080	-	1/1	-	Yes	Yes	Yes*	Supported by design



- : not available on camera

*1: not available on software

*2: not test on software

For multi stream support:

Yes: multi stream fix to 500kbps/100kbps

Yes*: multi stream setting support in Crystal

For PTZ:

~~Yes*: Joystick support to control PTZ speed in Crystal~~

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	Camera Search Tool	Multi Stream Support	Remarks
AV2155	64803	H.264 M-JPEG	1	1600x1184	-	-	-	Yes	Yes	Yes*	
AV2225	refer to AV2115 (65225)	H.264 M-JPEG	1	1920x1080	-	1/1	-	Yes	Yes	Yes*	Supported by design
AV2226	refer to AV2115 (65225)	H.264 M-JPEG	1	1920x1080	-	1/1	-	Yes	Yes	Yes*	Supported by design
AV2245	refer to AV2115 (65225)	H.264 M-JPEG	1	1920x1080	-	1/1	-	Yes	Yes	Yes*	Supported by design
AV2246	refer to AV2115 (65225)	H.264 M-JPEG	1	1920x1080	-	1/1	-	Yes	Yes	Yes*	Supported by design
AV2255AM	65218	H.264 M-JPEG	1	1920x1080	*1	1(*1)/1	Yes	Yes	Yes	Yes*	
AV2256	refer to AV2255 (65218)	H.264 M-JPEG	1	1920x1080	*1	1/1	Yes	Yes	Yes	Yes*	Supported by design
AV2455DN-F	65220	H.264 M-JPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	Yes*	
Note:	1. AV2455DN would reboot after connecting DO port. 2. Audio function possible doesn't work after connect/disconnect, and need to reboot camera to recover.										
AV2456	refer to AV2455 (65220)	H.264 M-JPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	Yes*	Supported by design
AV2805	refer to AV2115 (65225)	H.264 M-JPEG	1	1920x1080	-	1/1	-	Yes	Yes	Yes*	Supported by design
AV2815	65191	H.264 M-JPEG	1	1920x1080	-	1/1	-	Yes	Yes	Yes*	Supported by design
AV2825		H.264 M-JPEG	1	1920x1080	-	1/1	-	Yes	Yes	Yes*	Supported by design
AV3100	64328	M-JPEG	1	2048x1536	-	-	-	Yes	Yes	Yes*	
AV3100M	64327	M-JPEG	1	2048x1536	-	1/1	-	Yes	Yes	Yes*	
Note:	1. DI/DO is not active so that we can't integrate it. (Camera Firmware issue) 2. Camera is unable to achieve ordinary FPS due to insufficient performance. (Camera performance limitation) 3. The connections at dual stream mode are unstable. (Camera performance limitation) 4. Can not search the camera by camera search function. (Camera Firmware issue) 5. Auto detect function fail. (Camera Firmware issue)										
AV3105	refer to AV3115 (65225)	H.264 M-JPEG	1	2048x1536	-	1/1(*2)	-	Yes	Yes	Yes*	Supported by design
AV3110		M-JPEG	1	1920X1216	-	-	-	Yes	Yes	Yes*	
AV3115	65225	H.264 M-JPEG	1	2048x1536	-	1/1(*2)	-	Yes	Yes	Yes*	
Note:	AV3115 include D4F-AV3115-3312 and D4S-AV3115-3312										



- : not available on camera

*1: not available on software

*2: not test on software

For multi stream support:

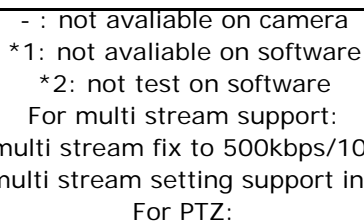
Yes: multi stream fix to 500kbps/100kbps

Yes*: multi stream setting support in Crystal

For PTZ:

Yes*: Joystick support to control PTZ speed in Crvstal

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	Camera Search Tool	Multi Stream Support	Remarks
AV3116	65219	H.264 M-JPEG	1	2048x1536	-	1/1	-	Yes	Yes	Yes*	
AV3116DN	65219	H.264 M-JPEG	1	2048x1536	-	1/1	-	Yes	Yes	Yes*	Supported by design
AV3125	65218	H.264 M-JPEG	1	2048x1536	-	1/1	-	Yes	Yes	Yes*	Supported by design
AV3130	61906	M-JPEG	1	2048x1536	-	-	-	Need to retest	Yes	Yes*	
AV3135	65135	H.264 M-JPEG	1	2048x1536	-	1/1	-	Yes	Yes	Yes*	
Note:	AV3115 include D4F-AV3115-3312 and D4S-AV3115-3312										
AV3145	65219	H.264 M-JPEG	1	2048x1536	1-way	1/1	-	Yes	Yes	Yes*	Supported by design
AV3146	65219	H.264 M-JPEG	1	2048x1536	1-way	1/1	-	Yes	Yes	Yes*	
Note	1. The streaming has low FPS under high quality.										
AV3155	65113	H.264 M-JPEG	1	2048x1536	-	-	-	Yes	Yes	Yes*	Tested by customer
AV3225	refer to AV3115 (65225)	H.264 M-JPEG	1	2048x1536	-	1/1(*2)	-	Yes	Yes	Yes*	Supported by design
AV3226	refer to AV3115 (65225)	H.264 M-JPEG	1	2048x1536	-	1/1(*2)	-	Yes	Yes	Yes*	Supported by design
AV3245	refer to AV3115 (65225)	H.264 M-JPEG	1	2048x1536	-	1/1(*2)	-	Yes	Yes	Yes*	Supported by design
AV3246	refer to AV3115 (65225)	H.264 M-JPEG	1	2048x1536	-	1/1(*2)	-	Yes	Yes	Yes*	Supported by design
AV3255	65218	H.264 M-JPEG	1	2048x1536	-	-	-	Yes	Yes	Yes*	
AV3256	65219	H.264 M-JPEG	1	2048x1536	1-way	1/1	-	Yes	Yes	Yes*	
Note	1. The streaming has low FPS under high quality.										
AV3455	Refer to AV3105(65225)	H.264 M-JPEG	1	2048x1536	-	1/1	-	Yes	Yes	Yes*	
AV3456DN-F	65220	H.264 M-JPEG	1	2048x1536	-	1/1	-	Yes	Yes	Yes*	
AV5100	61906	M-JPEG	1	2560x1600	-	-	-	Yes	Yes	Yes*	
AV5105	64331	H.264 M-JPEG	1	2560x1600	-	1/1	-	Yes	Yes	Yes*	Supported by design
AV5110		M-JPEG	1	2560x1600	-	-	-	Yes	Yes	Yes*	
AV5115	65225	H.264 M-JPEG	1	2560x1600	-	1/1	-	Yes	Yes	Yes*	



Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	Camera Search Tool	Multi Stream Support	Remarks
Note:	AV5115 include D4F-AV5115-3312 and D4S-AV5115-3312										
AV5125	65218	H.264 M-JPEG	1	2592x1944	-	1/1	-	Yes	Yes	Yes*	
AV5155	65152	H.264 M-JPEG	1	2592x1944	-	-	-	Yes	Yes	Yes*	
AV5245	65221	H.264 M-JPEG	1	2592x1944	-	1/1	Yes	Yes	Yes	Yes*	
Note:	Fps would not meet setting due to camera performance.										
AV5245DN	65229	H.264 M-JPEG	1	2560x1920	-	1/1	-	Yes	Yes	Yes*	
Note:	Fisheye camera										
AV5255AM	65218	H.264 M-JPEG	1	2592x1944	*1	1(*1)/1	Yes	Yes	Yes	Yes*	
AV5455DN-F	65220	H.264 M-JPEG	1	2592x1944	-	1/1	-	Yes	Yes	Yes*	Supported by design
AV8180	65010	M-JPEG	4	1600x1184	-	-	-	Yes	Yes	Yes*	
AV8185	65183	H.264 M-JPEG	4	1600x1200	-	-	-	Yes	Yes	Yes*	
AV8185DN	65183	H.264 M-JPEG	4	1600x1200	-	-	-	Yes	Yes	Yes*	Supported by design
AV8360	65010	M-JPEG	4	1600x1184	-	-	-	Yes	Yes	Yes*	Supported by design
AV8365	65183	H.264 M-JPEG	4	1600x1200	-	-	-	Yes	Yes	Yes*	
AV8365DN	65183	H.264 M-JPEG	4	1600x1200	-	1/1	-	Yes	Yes	Yes*	
Note:	AV8185DN and AV8365DN 1. Four channels must use the same protocol and format. 2. If main stream is Mjpeg, the vision will flash when using dual stream.										
AV10005	65147	H.264 M-JPEG	1	3648x2752	-	-	-	Yes	Yes	Yes*	
AV10115	65225	H.264 M-JPEG	1	3648x2752	-	1/1	-	Yes	Yes	Yes*	
AV10225	Refer to AV10115(65225)	H.264 M-JPEG	1	3648x2752	-	1/1	-	Yes	Yes	Yes*	
AV10255	Refer to AV10115(65225)	H.264 M-JPEG	1	3648x2752	-	1/1	-	Yes	Yes	Yes*	
AV10255PM TIR	65228	H.264 M-JPEG	1	3648x2752	-	1/1	Yes	Yes	Yes	Yes*	
Note:	1. Camera is unable to achieve maximum FPS. (camera performance limitation) 2. PTZ only support zoom and focus.										



- : not available on camera

*1: not available on software

*2: not test on software

For multi stream support:

Yes: multi stream fix to 500kbps/100kbps

Yes*: multi stream setting support in Crystal

For PTZ:

Yes*: Joystick support to control PTZ speed in Crystal

[illegible]



- : not available on camera

*1: not available on software

*2: not test on software

For multi stream support:

Yes: multi stream fix to 500kbps/100kbps

Yes*: multi stream setting support

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Multi Stream Support	Remarks
FB2027-1	Refer to FX2000 (FW 2.5.1057.60)	H.264 MPEG4 MJPEG	1	1920x1080	1-way	1/0	-	Yes	Yes	Yes	
FB2027-2	Refer to FX2000 (FW 2.5.1057.60)	H.264 MPEG4 MJPEG	1	1920x1080	1-way	1/0	-	Yes	Yes	Yes	
FB2027-3	Refer to FX2000 (FW 2.5.1057.60)	H.264 MPEG4 MJPEG	1	1920x1080	1-way	1/0	-	Yes	Yes	Yes	
FB2028	Refer to FX2000 (FW 2.5.1057.60)	H.264 MPEG4 MJPEG	1	1920x1080	1-way	1/0	-	Yes	Yes	Yes	
FB2028-T1	Refer to FX2000 (FW 2.5.1057.60)	H.264 MPEG4 MJPEG	1	1920x1080	1-way	1/0	-	Yes	Yes	Yes	
FB2028-T2	Refer to FX2000 (FW 2.5.1057.60)	H.264 MPEG4 MJPEG	1	1920x1080	1-way	1/0	-	Yes	Yes	Yes	
FB2028-TM	Refer to FX2000 (FW 2.5.1057.60)	H.264 MPEG4 MJPEG	1	1920x1080	1-way	1/0	-	Yes	Yes	Yes	
Note	1. MJPEG could not reach up to higher FPS 2. UPNP search failure when change web port from 80 to another										
FB3027	2.5.1057.60	H.264 MPEG4 MJPEG	1	2048x1536	1-way	1/0	-	Yes	Yes	Yes	
FB3028-RT1	Refer to FB3027 (FW 2.5.1057.60)	H.264 MPEG4 MJPEG	1	2048x1536	1-way	1/0	-	Yes	Yes	Yes	
FB3028-RT2	Refer to FB3027 (FW 2.5.1057.60)	H.264 MPEG4 MJPEG	1	2048x1536	1-way	1/0	-	Yes	Yes	Yes	
FB3028-RTM	Refer to FB3027 (FW 2.5.1057.60)	H.264 MPEG4 MJPEG	1	2048x1536	1-way	1/0	-	Yes	Yes	Yes	
FD2020	Refer to FX2000 (FW 2.5.1057.60)	H.264 MPEG4 MJPEG	1	1920x1080	1-way	1/0	-	Yes	Yes	Yes	



- : not available on camera

*1: not available on software

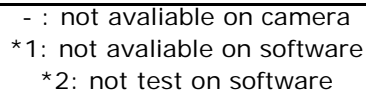
*2: not test on software

For multi stream support:

Yes: multi stream fix to 500kbps/100kbps

Yes*: multi stream setting support

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Multi Stream Support	Remarks
FD3020	Refer to FB3027 (FW 2.5.1057.60)	H.264 MPEG4 MJPEG	1	2048x1536	1-way	1/0	-	Yes	Yes	Yes	
FD3020-M	Refer to FB3027 (FW 2.5.1057.60)	H.264 MPEG4 MJPEG	1	2048x1536	1-way	1/0	-	Yes	Yes	Yes	
FV2006	Refer to FX2000 (FW 2.5.1057.60)	H.264 MPEG4 MJPEG	1	1920x1080	1-way	1/0	-	Yes	Yes	Yes	
FV2028	Refer to FX2000 (FW 2.5.1057.60)	H.264 MPEG4 MJPEG	1	1920x1080	1-way	1/0	-	Yes	Yes	Yes	
FV3028	Refer to FX2000 (FW 2.5.1057.60)	H.264 MPEG4 MJPEG	1	2048x1536	1-way	1/0	-	Yes	Yes	Yes	
FV3028-RT	Refer to FB3027 (FW 2.5.1057.60)	H.264 MPEG4 MJPEG	1	2048x1536	1-way	1/0	-	Yes	Yes	Yes	
FV3028-RTM	Refer to FB3027 (FW 2.5.1057.60)	H.264 MPEG4 MJPEG	1	2048x1536	1-way	1/0	-	Yes	Yes	Yes	
FX2000	2.5.1057.60	H.264 MPEG4 MJPEG	1	1920x1080	1-way	1/0	-	Yes	Yes	Yes	
Note	1. MJPEG could not reach up to higher FPS 2. UPnP search failure when change web port from 80 to another										
FX3000-R	Refer to FB3027 (FW 2.5.1057.60)	H.264 MPEG4 MJPEG	1	2048x1536	1-way	1/0	-	Yes	Yes	Yes	
SF2121H-BHR-30	Refer to FX2000 (FW 2.5.1057.60)	H.264 MPEG4 MJPEG	1	1920x1080	1-way	1/0	-	Yes	Yes	Yes	
SF2121H-BHR-50	Refer to FX2000 (FW 2.5.1057.60)	H.264 MPEG4 MJPEG	1	1920x1080	1-way	1/0	-	Yes	Yes	Yes	
SF2121H-R	Refer to FX2000 (FW 2.5.1057.60)	H.264 MPEG4 MJPEG	1	1920x1080	1-way	1/0	-	Yes	Yes	Yes	



Yes: multi stream fix to 500kbps/A2A2100kbps
Yes*: multi stream setting support

For PTZ:

Yes*: Joystick support to control PTZ speed in Crystal

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Multi Stream Support	Remarks
205		M-JPEG	1	640x480	-	-	-	Yes	-	Yes	Supported by design
206		M-JPEG	1	640x480	-	-	-	Yes	Yes	Yes	Supported by design
206M		M-JPEG	1	1280x1024	-	-	-	Yes	Yes	Yes	Supported by design
206W		M-JPEG	1	640x480	-	-	-	Yes	Yes	Yes	Supported by design
207	4.40	MPEG4 M-JPEG	1	640x480	1-way	1/1	-	Yes	Yes	Yes	
207MW		MPEG4 M-JPEG	1	1280x1024	1-way	1/1	-	Yes	Yes	Yes	Supported by design
207W		MPEG4 M-JPEG	1	640x480	1-way	1/1	-	Yes	Yes	Yes	Supported by design
Note:	Not support audio in M-JPEG										
209FD		MPEG4 M-JPEG	1	640x480	-	-	-	Yes	Yes	Yes	Supported by design
209FD-R		MPEG4 M-JPEG	1	640x480	-	-	-	Yes	Yes	Yes	Supported by design
209MFD		MPEG4 M-JPEG	1	1280x1024	-	-	Yes*	Yes	Yes	Yes	
209MFD-R		MPEG4 M-JPEG	1	1280x1024	-	-	Yes*	Yes	Yes	Yes	Supported by design
210		MPEG4 M-JPEG	1	640x480	-	1/1	-	Yes	Yes	Yes	Supported by design
2100	2.31	M-JPEG	1	640x480	-	-	-	-	-	-	
210A	4.40	MPEG4 M-JPEG	1	640x480	1-way	1/1	-	Yes	Yes	Yes	
211		MPEG4 M-JPEG	1	640x480	-	1/1	-	Yes	Yes	Yes	Supported by design
211A		MPEG4 M-JPEG	1	640x480	1-way	1/1	-	Yes	Yes	Yes	Supported by design
211M		MPEG4 M-JPEG	1	1280x1024	1-way	1/1	-	Yes	Yes	Yes	Supported by design
211W		MPEG4 M-JPEG	1	640x480	1-way	1/1	-	Yes	Yes	Yes	Supported by design
212		MPEG4 M-JPEG	1	640x480	1-way	1/1	Yes*	Yes	Yes	Yes	Supported by design
Note:	212 include 212 PTZ and 212 PTZ-V										



- : not available on camera
 *1: not available on software
 *2: not test on software

For multi stream support:

Yes: multi stream fix to 500kbps/A2A2100kbps
 Yes*: multi stream setting support

For PTZ:

Yes*: Joystick support to control PTZ speed in Crystal

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Multi Stream Support	Remarks
213		MPEG4 M-JPEG	1	704x576	1-way	2/3	Yes*	Yes	Yes	Yes	Supported by design
Note:	213 include 213 PTZ										
214	4.33	MPEG4 M-JPEG	1	704x480	1-way	1/1	Yes*	Yes	Yes	Yes	
Note:	214 include 214 PTZ										
215		MPEG4 M-JPEG	1	704x576	1-way	1/1	Yes*	Yes	Yes	Yes	Supported by design
Note:	215 include 215 PTZ and 215 PTZ-E										
216FD		MPEG4 M-JPEG	1	640x480	1-way	1/1	-	Yes	Yes	Yes	Supported by design
216FD-V		MPEG4 M-JPEG	1	640x480	1-way	1/1	-	Yes	Yes	Yes	Supported by design
216MFD		MPEG4 M-JPEG	1	1280x1024	1-way	1/1	-	Yes	Yes	Yes	Supported by design
216MFD-V		MPEG4 M-JPEG	1	1280x1024	1-way	1/1	-	Yes	Yes	Yes	Supported by design
221		MPEG4 M-JPEG	1	640x480	-	2/1	-	Yes	Yes	Yes	Supported by design
223M		MPEG4 M-JPEG	1	1600x1200	1-way	2/1	-	Yes	Yes	Yes	Supported by design
225FD		MPEG4 M-JPEG	1	640x480	-	2/1	-	Yes	Yes	Yes	Supported by design
231D		MPEG4 M-JPEG	1	704x576	-	4/4	Yes*	Yes	Yes	Yes	Supported by design
Note:	231D include 231D+										
232D		MPEG4 M-JPEG	1	704x576	-	4/4	Yes*	Yes	Yes	Yes	Supported by design
Note:	232D include 232D+										
233D		MPEG4 M-JPEG	1	704x576	1-way	4/4	Yes*	Yes	Yes	Yes	Supported by design
2400		M-JEPG	4	704x576	-	4/1	-	Yes	Yes	Yes	Supported by design
240Q		M-JEPG	4	704x576	-	4/4	-	Yes	Yes	Yes	Supported by design
240Q Blade		M-JEPG	4	704x576	-	4/4	-	Yes	Yes	Yes	Supported by design
241Q		MPEG4 M-JPEG	4	704x576	-	4/4	-	Yes	Yes	Yes	Supported by design
241Q Blade		MPEG4 M-JPEG	4	704x576	-	4/4	-	Yes	Yes	Yes	Supported by design
241QA	4.30	MPEG4 M-JPEG	4	704x576	1-way	4/4	-	Yes	Yes	Yes	



- : not available on camera
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 *2: not test on software

For multi stream support:

Yes: multi stream fix to 500kbps/A2A2100kbps

Yes*: multi stream setting support

For PTZ:

Yes*: Joystick support to control PTZ speed in Crystal

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Multi Stream Support	Remarks
241S		MPEG4 M-JPEG	1	704x576	-	4/4	-	Yes	Yes	Yes	Supported by design
241S Blade		MPEG4 M-JPEG	1	704x576	-	4/4	-	Yes	Yes	Yes	Supported by design
241SA		MPEG4 M-JPEG	1	704x576	1-way	4/4	-	Yes	Yes	Yes	Supported by design
242S		MPEG4 M-JPEG	1	704x576	-	4/4	-	Yes	Yes	Yes	Supported by design
243Q		MPEG4 M-JPEG	1	704x576	-	1/1	-	Yes	Yes	Yes	Supported by design
243Q Blade		MPEG4 M-JPEG	1	704x576	-	1/1	-	Yes	Yes	Yes	Supported by design
243SA		MPEG4 M-JPEG	1	704x576	1-way	4/4	-	Yes	Yes	Yes	Supported by design
2460		M-JEPG	4	704x576	-	4/1	-	Yes	Yes	Yes	Supported by design
247S		MPEG4 M-JPEG	1	704x576	1-way	1/1	-	Yes	Yes	Yes	Supported by design
C3003-E	1.25.1	-	-	-	1-way	-	-	-	Yes	-	-
Generic		H.264 MPEG4 M-JPEG	Max 4	by Camera	1-way	Max 4/4	Yes	Yes	-	Yes*	
Note:	Only guarantee stream works fine.										
F41	5.85.3	H.264 MJPEG	1	1920x1080	*2	*2(4/4)	-	Yes	*2	Yes*	
Note:	1. Does not support ACAP Motion (MainConsole). (Old Motion Setting: http://IP:PORT/operator/motionDetection.shtml?nb)										
F44	5.85.3	H.264 MJPEG	4	1920x1080	*2	*2(4/4)	-	*2	*2	Yes*	
Note:	1. Frame rate list may not sync with web. (Camera Firmware Issue) 2. Does not support ACAP Motion (MainConsole). (Old Motion Setting: http://IP:PORT/operator/motionDetection.shtml?nb - Q&id=12)(AUDIO server limitation)										
M1004-W	5.40.5.1	H.264 MJPEG	1	1280x800	-	1/1	-	Yes	Yes	Yes*	
M1011	5.00	H.264 MPEG4 M-JPEG	1	640x480	-	-	-	Yes	Yes	Yes	
M1011-W	5.00	H.264 MPEG4 M-JPEG	1	640x480	-	-	-	Yes	Yes	Yes	
M1013	5.40.5.1	H.264 M-JPEG	1	800x600	1-way	-	-	Yes	Yes	Yes	
M1014	5.40.5	H.264 M-JPEG	1	1280x800	-	-	-	Yes	Yes	Yes	
M1025	5.40.5	H.264 MJPEG	1	1920x1080	-	-	-	*2	*2	Yes*	Tested by link



- : not available on camera
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 *2: not test on software

For multi stream support:

Yes: multi stream fix to 500kbps/A2A2100kbps

Yes*: multi stream setting support

For PTZ:

Yes*: Joystick support to control PTZ speed in Crystal

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Multi Stream Support	Remarks
M1031-W	5.00	H.264 MPEG4 M-JPEG	1	640x480	1-way	-	-	Yes	Yes	Yes	
M1034-W	5.40beta1	H.264 M-JPEG	1	1280x800	1-way	-	-	Yes	Yes	Yes	
M1054	5.15	H.264 M-JPEG	1	1024x640	1-way	1/1	-	Yes	Yes	Yes	
M1103		H.264 M-JPEG	1	800x600	-	-	Yes*	Yes	Yes*	Yes	Supported by design
M1104	5.09	H.264 M-JPEG	1	1280x800	-	-	-	Yes	Yes*	Yes	
M1113	5.08	H.264 M-JPEG	1	800x600	-	-	Yes*	Yes	Yes	Yes	
M1114		H.264 M-JPEG	1	1280x800	-	-	-	Yes	Yes*	Yes	Supported by design
Note:	M1113-E is compatible with M1113, M1114-E is compatible with M1114										
M1125	5.75.3.3	H.264 MJPEG	1	1920x1080	-	1/1	-	*2	*2	Yes*	
Note:	1. The actual resolution is 240*136 but the setting list will show 240*135 (Camera firmware issue) 2. The camera with highest parameter via MJPEG is unable to achieve setting frame rate. (Camera performance issue)										
M1143-L	5.40beta19	H.264 M-JPEG	1	800x600	-	1/1	-	Yes	Yes	Yes	
M1144	5.40.10.4	H.264 M-JPEG	1	1280x800	-	1/1	-	Yes	Yes	Yes	
M2014	Refer to P1204(5.40.12)	H.264 M-JPEG	1	1280x720	1-way	1/1	-	Yes	Yes	Yes	Supported by design
M3004	5.50.5.1	H.264 M-JPEG	1	1280x800	-	-	-	*2	*2	Yes*	
M3005	5.40.5.3	H.264 M-JPEG	1	1920x1080	-	-	-	Yes	Yes	Yes	
M3006	5.40.13	H.264 M-JPEG	1	2048x1536	-	-	-	Yes	Yes	Yes	
M3007	5.55.1.1	H.264 M-JPEG	1	2592x1944	-	-	Yes*	Yes	Yes	Yes*	
Note:	Fisheye camera with manual calibration in Crystal										
M3011	5.01	H.264 MPEG4 M-JPEG	1	640x480	-	-	-	Yes	Yes	Yes	Supported by design
M3014		H.264 M-JPEG	1	1280x800	-	-	-	Yes	Yes	Yes	Supported by design
M3024-L	5.40.5	H.264 M-JPEG	1	1280x800	-	1/1	-	Yes	Yes	Yes	



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For multi stream support:

Yes: multi stream fix to 500kbps/A2A2100kbps

Yes*: multi stream setting support

For PTZ:

Yes*: Joystick support to control PTZ speed in Crystal

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Multi Stream Support	Remarks
M7001		H.264 M-JPEG	1	720x576	-	-	Yes*	Yes	Yes	Yes	Supported by design
M7010	5.40.6.1	H.264 M-JPEG	4	720x576	-	-	Yes*	Yes	Yes	Yes	
M7014	5.40.7.1	H.264 M-JPEG	4	720x576	-	-	Yes*	Yes	Yes	Yes	
M7016	5.51.2.5	H.264 MJPEG	4	D1	-	-	*2	*2	Yes	Yes*	
P1204	5.40.12	H.264 M-JPEG	1	1280x720	1-way	1/1	-	Yes	Yes	Yes	
P1214	5.40.12	H.264 M-JPEG	1	1280x720	1-way	1/1	-	Yes	Yes	Yes	
P1214-E	5.40.12	H.264 M-JPEG	1	1280x720	-	*2	-	*2	*2	Yes*	
P1311	5.01	H.264 MPEG4 M-JPEG	1	640x480	1-way	1/1	-	Yes	Yes	Yes	
P1343	5.06	H.264 M-JPEG	1	800*600	1-way	1/1	Yes*	Yes	Yes	Yes	
P1343-E		H.264 M-JPEG	1	640x480	1-way	1/1	Yes*	Yes	Yes	Yes	Supported by design
P1344		H.264 M-JPEG	1	1280x800	1-way	1/1	Yes*	Yes	Yes	Yes	Supported by design
P1344-E		H.264 M-JPEG	1	1280x800	1-way	1/1	Yes*	Yes	Yes	Yes	Supported by design
P1346	5.06	H.264 M-JPEG	1	2048x1536	1-way	1/1	Yes*	Yes	Yes	Yes	
P1346-E		H.264 M-JPEG	1	2048x1536	1-way	1/1	Yes*	Yes	Yes	Yes	Supported by design
P1347	5.11	H.264 M-JPEG	1	2560x1920	1-way	1/1	Yes	Yes	Yes	Yes	
P1347-E		H.264 M-JPEG	1	2560x1920	1-way	1/1	Yes	Yes	Yes	Yes	Supported by design
P1353-E	refer to P1354	H.264 M-JPEG	1	800x600	1-way	1/1	-	Yes	Yes	Yes	Supported by design
P1354	5.60.1	H.264 M-JPEG	1	1280x960	1-way	1/1	Yes	*2	*2	Yes*	
Note:	H264 AAC not support in Titan v1.5.1 and above version										
P1355-E	refer to P1354 (5.40.14)	H.264 M-JPEG	1	800x600	1-way	1/1	-	Yes	Yes	Yes	Supported by design
P1357	5.40.19.1	H.264 M-JPEG	1	2592x1944	*2	*2	*2	Yes	*2	Yes	



- : not available on camera
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For multi stream support:

Yes: multi stream fix to 500kbps/A2A2100kbps
 Yes*: multi stream setting support

For PTZ:

Yes*: Joystick support to control PTZ speed in Crystal

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Multi Stream Support	Remarks
P1364	6.30.1	H.264 MJPEG	1	1280x960	*2	-	*2	*2	*2	-	Tested by link
Note:	1. Camera with H.264 is unable to achieve maximum bitrate. (Camera performance limitation) 2. Camera picture will break if the compression rate value is high. (camera performance limitation) 3. Playback may be abnormal. (NUUO server limitation)										
P1365	v5.75.3.3	H.264 MJPEG	1	1920x1080	-	-	-	Yes	Yes	Yes*	
Note:	1. Can not access PTZ and I/O. (Camera firmware issue) 2. Audio out via AAC failed when format is MJPEG . (Camera firmware issue)										
P1405-LE	5.80.1.1	H.264 MJPEG	1	1920x1080	-	-	Yes	*2	*2	Yes*	
Note:	PTZ only support zoom & focus.										
P1425-E	Refer to P1425-LE(5.80.1)	H.264 MJPEG	1	1920x1080	-	-	Yes	*2	*2	Yes*	Supported by design
P1425-LE	5.80.1	H.264 MJPEG	1	1920x1080	-	1/1	Yes	*2	*2	Yes*	
Note:	PTZ only support zoom & focus.										
P1427-E	5.80.1	H.264 MJPEG	1	2592x1944	-	*2	Yes	*2	*2	Yes*	
Note:	1.Frame rate list does not sync with web. (Camera Firmware issue) 2.The connection is unstable, since camera connects via link. (Camera Firmware issue)										
P1428-E	5.55.1	H.264 M-JPEG	1	3840x2160	-	*2	Yes*	*2	*2	Yes*	
P3214-V	5.55.3.2	H.264 MJPEG	1	1280x960	-	*2	Yes	*2	*2	Yes*	
Note:	Zoom speed setting does not support.(Camera limitation)										
P3215-V	5.55.3.2	H.264 MJPEG	1	1920x1080	-	*2	Yes	*2	*2	Yes*	
P3224	Refer to P3224-LV (5.75.3.1)	H.264 MJPEG	1	1280x960	-	-	Yes	*2	*2	Yes*	Supported by design
P3224-LV	5.75.3.1	H.264 MJPEG	1	1280x960	-	-	Yes	*2	*2	Yes*	
P3225	Refer to P3225-LVE (5.75.3.1)	H.264 MJPEG	1	1920x1080	-	-	Yes	*2	*2	Yes*	Supported by design
P3225-LVE	5.75.3.1	H.264 MJPEG	1	1920x1080	-	-	Yes	*2	*2	Yes*	
P3301	5.11	H.264 M-JPEG	1	640x480	1-way	1/1	-	Yes	Yes	Yes	Supported by design
P3301-V		H.264 M-JPEG	1	640x480	1-way	1/1	-	Yes	Yes	Yes	Supported by design
P3304		H.264 M-JPEG	1	1280x800	1-way	1/1	Yes*	Yes	Yes	Yes	Supported by design



- : not available on camera
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 *2: not test on software

For multi stream support:

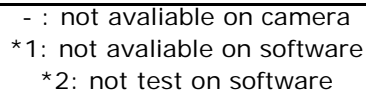
Yes: multi stream fix to 500kbps/A2A2100kbps

Yes*: multi stream setting support

For PTZ:

Yes*: Joystick support to control PTZ speed in Crystal

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Multi Stream Support	Remarks
P3304-V		H.264 M-JPEG	1	1280x800	1-way	1/1	Yes*	Yes	Yes	Yes	Supported by design
P3343	5.06	H.264 M-JPEG	1	800x600	1-way	1/1	Yes*	Yes	Yes	Yes	Supported by design
Note:	P3343-V and P3343-VE are compatible with P3343 P3343 supports digital PTZ only.										
P3344	5.06	H.264 M-JPEG	1	1280x800	1-way	1/1	Yes*	Yes	Yes	Yes	
Note:	P3344-V and P3344-VE are compatible with P3344 P3344 supports digital PTZ only.										
P3346	5.20	H.264 M-JPEG	1	2048x1536	1-way	1/1	Yes*	Yes	Yes*	Yes	
Note:	P3346-V and P3346-VE are compatible with P3346 P3346 supports digital PTZ only.										
P3353		H.264 M-JPEG	1	800x600	1-way	1/1	-	Yes	Yes	Yes	
P3354	5.40.10.2	H.264 M-JPEG	1	1280x960	1-way	1/1	-	Yes	Yes	Yes	tested by link
P3363	5.40.17.1	H.264 MJPEG	1	800x600	*2	*2	*2	*2	*2	Yes*	tested by link
P3364	5.40.10.2	H.264 M-JPEG	1	1280x960	1-way	1/1	-	Yes	Yes	Yes	tested by link
P3364-L	5.60.1.4	H.264 MJPEG	1	1280x960	1-way	1/1	Yes	*2	*2	Yes*	
Note:	PTZ only support zoom & focus.										
P3364-LV	Refer to P3364-L(5.60.1.4)	H.264 MJPEG	1	1280x960	1-way	1/1	Yes	*2	*2	Yes*	Supported by design
P3365	5.55.3.2	H.264 M-JPEG	1	1920x1080	*2	1/1	Yes	*2	*2	Yes*	tested by link
P3365-V	Refer to P3365(5.55.3.2)	H.264 M-JPEG	1	1920x1080	*2	1/1	Yes	*2	*2	Yes*	Supported by design
P3365-VE	Refer to P3365(5.55.3.2)	H.264 M-JPEG	1	1920x1080	*2	1/1	Yes	*2	*2	Yes*	Supported by design
P3367	5.40.3	H.264 M-JPEG	1	2592x1944	1-way	1/1	-	Yes	Yes	Yes	tested by link
Note:	P3367-V, P3367-VE are compatible with P3367										
P3384	5.40.19	H.264 MJPEG	1	1280x960	*2	*2	-	*2	*2	Yes*	tested by link
P3905	5.55.3	H.264 MJPEG	1	1920x1080	-	-	-	Yes	*2	Yes*	tested by link
P3905-R	Refer to P3905(5.55.3.2)	H.264 MJPEG	1	1920x1080	-	-	-	*2	*2	Yes*	Supported by design





- : not available on camera
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 *2: not test on software

For multi stream support:

Yes: multi stream fix to 500kbps/A2A2100kbps
 Yes*: multi stream setting support

For PTZ:

Yes*: Joystick support to control PTZ speed in Crystal

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Multi Stream Support	Remarks
P7210	5.50.2	H.264 M-JPEG	20*	1536x1152	1-way	16/16	Yes*	Yes	Yes	Yes	
Note:	P7210 is 4IP x 5channels video server										
P7214	Refer to P7210	H.264 M-JPEG	4	720x576	1-way	4/4	Yes*	Yes	Yes	Yes	Supported by design
P7224	5.40.7	H.264 M-JPEG	4	720x576	1-way	4/4	Yes*	Yes	Yes	Yes	
Note:	P7224 can't use second audio input. First audio only support G.711										
P8221	5.10.2	*2	1	-	*2	*2	-	-	*2	-	
Note:	Network I/O audio module										
P8513	Refer to P8514	H.264 M-JPEG	1	800x600	-	0/0	-	Yes	Yes	Yes	Supported by design
P8514	5.21	H.264 M-JPEG	1	1280x800	-	0/0	-	Yes	Yes	Yes	
Q1602	5.40.3	H.264 M-JPEG	1	768x576	1-way	1/1	-	Yes	Yes	Yes	tested by link
Note:	P7210, P8514, Q1602 camera not testing Audio, I/O, UPnP capability Q1602-E is compatible with Q1602										
Q1604	5.40.3.2	H.264 M-JPEG	1	1280x960	1-way	1/1	-	Yes	Yes	Yes	
Note:	1. Not support AAC when codec is MJPEG 2. Does not support H264 CBR mode										
Q1614	5.55.1	H.264 MJPEG	1	1280x960	*2	*2	-	*2	*2	Yes*	tested by link
Q1615	5.55.3	H.264 MJPEG	1	1920x1200	*2	*2	-	*2	*2	Yes*	tested by link
Note:	Q1614 and Q1615: Max framerate show 60 regardless of Axis Capture mode.										
Q1635	5.80.1.2	H.264 MJPEG	1	1920x1200	*2	*2(2/0)	Yes	*2	*2	Yes*	
Note:	1. Camera cannot achieve maximum FPS with MJPEG and high resolution. (Camera performance limitation) 2. Stream1 cannot achieve maimum FPS with connecting two streams simultaneously. (Camera performance limitation)										
Q1755	5.02	H.264 M-JPEG	1	1920x1080	1-way	1/1	Yes*	Yes	Yes	Yes	
Note:	M-JPEG: Due to the HW constraints, the frame rate and audio will be impacted if resolution and quality are high.										
Q1755-E		H.264 M-JPEG	1	1920x1080	1-way	1/1	Yes*	Yes	Yes	Yes	Supported by design
Q1765-LE	5.55.1	H.264 M-JPEG	1	1920x1080	1-way	2/2	Yes*	Yes	Yes	Yes	



- : not available on camera
 *1: not available on software
 *2: not test on software

For multi stream support:

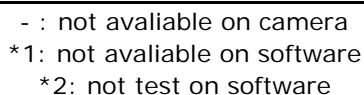
Yes: multi stream fix to 500kbps/A2A2100kbps

Yes*: multi stream setting support

For PTZ:

Yes*: Joystick support to control PTZ speed in Crystal

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Multi Stream Support	Remarks
Q1910	5.06	H.264 M-JPEG	1	720x576	1-way	1/1	Yes*	Yes	Yes	Yes	
Q1910-E		H.264 M-JPEG	1	720x576	1-way	1/1	Yes*	Yes	Yes	Yes	Supported by design
Q1921	5.11	H.264 M-JPEG	1	768x576	1-way	2/0	-	Yes	Yes*	Yes	
Note:	Q1921 camera not testing Audio, I/O, UPNP capability										
Q1921-E		H.264 M-JPEG	1	768x576	1-way	2/0	-	Yes	Yes	Yes	Supported by design
Q1922	Refer to Q1921	H.264 M-JPEG	1	800x600	1-way	1/1	-	Yes	Yes	Yes	Supported by design
Q1931-E	5.55.1	H.264 M-JPEG	1	768x576	1-way	2/2	-	Yes	*2	Yes	
Note:	1. Thermal camera 2. Up to 30 fps within EU, Norway, Switzerland, Canada, USA, Japan, Australia, New Zealand Up to 8.3 fps in other countries										
Q2901-E	5.55.4.1	H.264 M-JPEG	1	720x576	*2	-	-	*2	*2	Yes*	
Q3505	5.80.1	H.264 M-JPEG	1	1920x1200	*2	-	Yes	*2	*2	Yes*	tested by link
Note:	1. PTZ only support zoom & focus. 2. Bitrate list range error. (Firmware Issue) 3. FPS cannot reach to 30 fps due to multi-connection of camera. (Camera Performance Issue)										
Q3505-V	Refer to Q3505(5.80.1)	H.264 M-JPEG	1	1920x1200	*2	-	Yes	*2	*2	Yes*	Supported by design
Q3708-PVE	5.95.4.1	H.264 M-JPEG	3	2560x1920	-	-	-	*2	*2	Yes*	Test by link
Note:	1. Camera with H.264 is unable to achieve setting bitrate. (Camera performance limitation) 2. Camera with MJPEG is unable to achieve maximum FPS. (Camera performance limitation) 3. Playback may be abnormal. (NUUO server limitation)										
Q6000	Refer to Q6000-E(5.65.1)	H.264 M-JPEG	5	1920x1440	-	-	-	*2	*2	Yes*	Supported by design
Q6000-E	5.65.1	H.264 M-JPEG	5	1920x1440	-	-	-	*2	*2	Yes*	tested by link
Note:	1. The range of 5th's frame rate is different from that on camera web. (Camera firmware issue).										
Q6032		H.264 M-JPEG	1	752x480	1-way	4/4	Yes*	Yes	Yes	Yes	Supported by design
Q6032-E	5.05	H.264 M-JPEG	1	704x576	-	-	Yes*	Yes	Yes	Yes	
Q6034	5.20.3	H.264 M-JPEG	1	1280x720	1-way	2/2	Yes*	Yes	Yes*	Yes	
Q6034-E		H.264 M-JPEG	1	1280x720	1-way	2/2	Yes*	Yes	Yes	Yes	Supported by design



For multi stream support:
 Yes: multi stream fix to 500kbps/100kbps
 Yes*: multi stream setting support

[illegible]

- : not available on camera
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For multi stream support:

Yes: multi stream fix to A4500kbps/100kbps

Yes*: multi stream setting support in Crystal

For PTZ:

Yes*: Joystick support to control PTZ speed in Crystal

[illegible]

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For multi stream support:

Yes: multi stream fix to A4500kbps/100kbps

Yes*: multi stream setting support in Crystal

For PTZ:

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[illegible]



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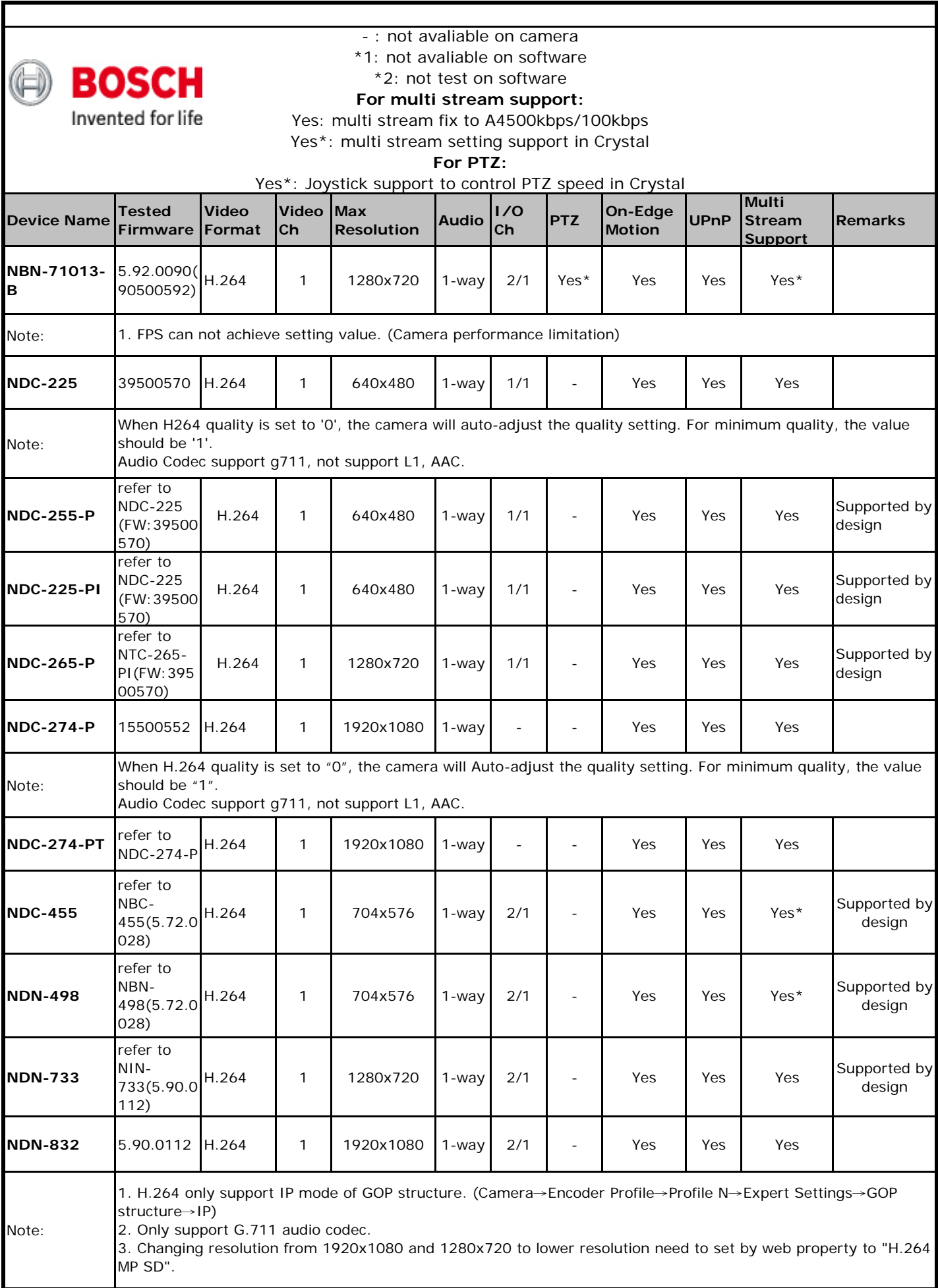
For multi stream support:

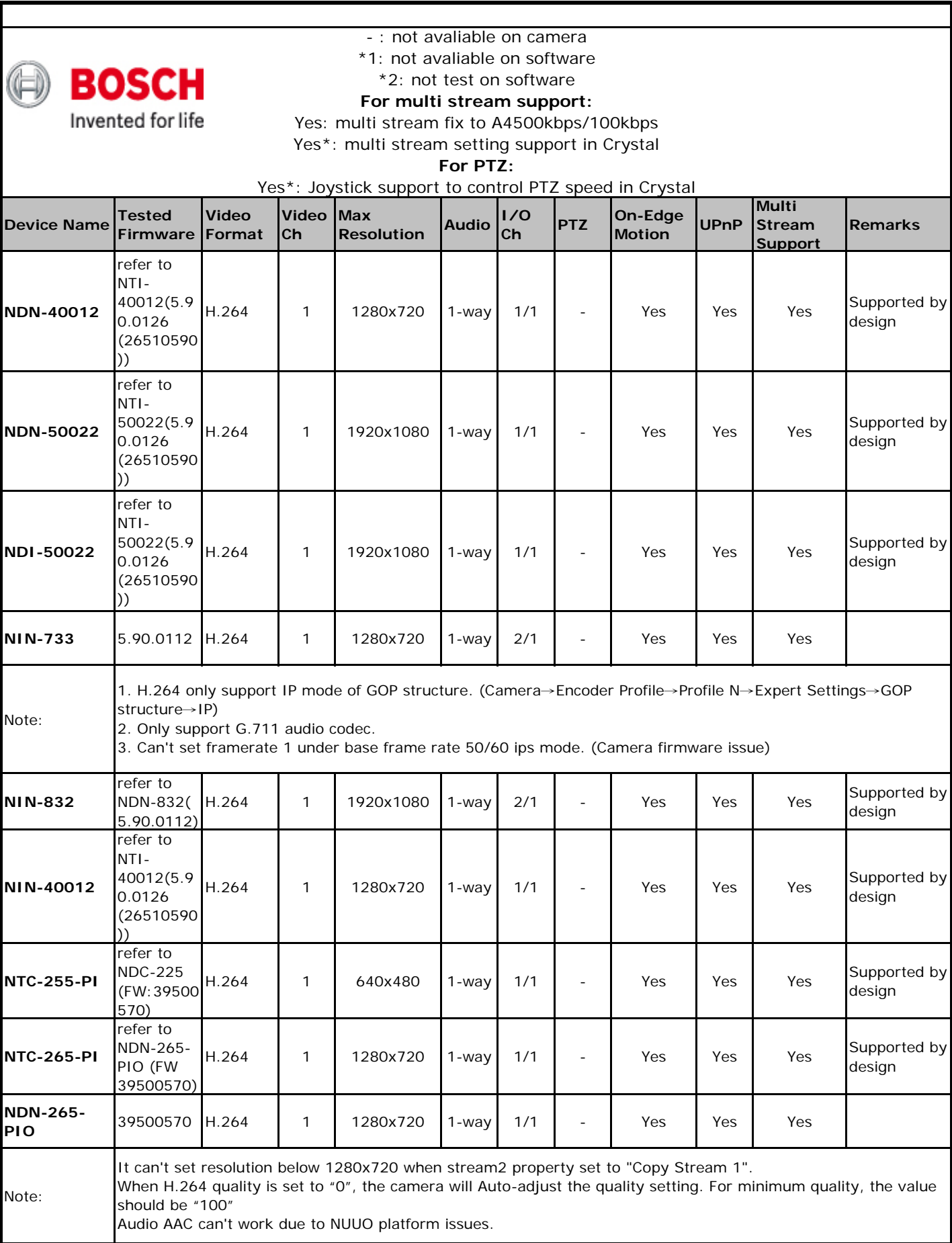
Yes: multi stream fix to A4500kbps/100kbps
 Yes*: multi stream setting support in Crystal

For PTZ:

Yes*: Joystick support to control PTZ speed in Crystal

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Multi Stream Support	Remarks
NBC-225-P	refer to NDC-225 (FW: 39500570)	H.264	1	640x480	1-way	1/1	-	Yes	Yes	Yes	Supported by design
NBC-255-P	refer to NDC-225 (FW: 39500570)	H.264	1	640x480	1-way	1/1	-	Yes	Yes	Yes	Supported by design
NBC-265-P	refer to NTC-265-PI (FW: 39500570)	H.264	1	1280x720	1-way	1/1	-	Yes	Yes	Yes	Supported by design
NBC-274-P	refer to NTC-265-PI (FW: 15500552)	H.264	1	1920x1080	1-way	-	-	Yes	Yes	Yes	Supported by design
NBC-274-PM	refer to NTC-265-PI (FW: 15500552)	H.264	1	1920x1080	1-way	-	-	Yes	Yes	Yes	Supported by design
NBC-274-PT	refer to NTC-265-PI (FW: 15500552)	H.264	1	1920x1080	1-way	-	-	Yes	Yes	Yes	Supported by design
NBC-455	5.72.0028(28500572)	H.264	1	704x576	*2	*2	-	*2	*2	Yes	
Note:	1. H.264 only support IP mode of GOP structure. (Camera→Encoder Profile→Profile N→Expert Settings→GOP structure→IP) i. (NUUO Server limitation) 2. Only support G.711 audio codec. i. (Camera performance limitation) 3. Can't set treame3 quality value. i. (Camera firmware issue)										
NBN-498	5.72.0028(28500572)	H.264	1	704x576	*2	*2	-	*2	*2	Yes	
Note:	1. H.264 only support IP mode of GOP structure. (Camera→Encoder Profile→Profile N→Expert Settings→GOP structure→IP) i. (NUUO Server limitation) 2. Only support G.711 audio codec. i. (Camera performance limitation) 3. Can't set treame3 quality value. i. (Camera firmware issue)										
NBN-733	refer to NIN-733(5.90.0112)	H.264	1	1280x720	1-way	2/1	-	Yes	Yes	Yes	Supported by design
NBN-832	refer to NDN-832(5.90.0112)	H.264	1	1920x1080	1-way	2/1	-	Yes	Yes	Yes	Supported by design
NBN-40012	refer to NTI-40012(5.90.0126(26510590))	H.264	1	1280x720	1-way	1/1	-	Yes	Yes	Yes	Supported by design
NBN-50022	refer to NTI-50022(5.90.0126(26510590))	H.264	1	1920x1080	1-way	1/1	-	Yes	Yes	Yes	Supported by design









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For multi stream support:

Yes: multi stream fix to A4500kbps/100kbps
Yes*: multi stream setting support in Crystal

For PTZ:

Yes*: Joystick support to control PTZ speed in Crystal

[illegible]



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Invented for life

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Yes: multi stream fix to A4500kbps/100kbps
Yes*: multi stream setting support in Crystal

For PTZ:

Yes*: Joystick support to control PTZ speed in Crystal

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For multi stream support:

Yes: multi stream fix to A4500kbps/100kbps

Yes*: multi stream setting support in Crystal

For PTZ:

Yes*: Joystick support to control PTZ speed in Crystal

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Multi Stream Support	Remarks
OSD-200A 20xp	gk20140422 NSA	H.264, MJPEG	1	1920x1080	*2	*2	Yes*	Yes	*2	Yes*	
Note:	1. Snapshot supported when one of stream choose MJPEG. (Camera firmware issue) 2. Error preset point. (Camera firmware issue)										
30xN	v3.2.2.8	H.264, MJPEG, MPEG4	1	2048x1536	1-way	1/1	Yes	Yes	Yes	Yes	
Note:	Fisheye camera with manual calibration in Crystal 1. Cover model: MD-300Np, FB-300Np, WFB-300Np, FD-302Np, VD-302Np, OB-302Np, OB-302Ne, WOB-302Ne, FB-200Np, OB-202Np, VD-202Np. VD-300Np, FD-300Np, OB-300Np, WOB-300Np, GOB-300Np with zoom feature. OB-300Np-AD, OB-200Np, VD-200Np with zoom and focus feature. MD-300Np-360 is fisheye camera 2. MD-300Np and MD-300Np-360 are no support DI/DO and one way audio only. 3. MD-300Np-360 not support MD when format is MJPEG and MPEG4. 4. The RTSP stream has been disconnected in 5 minutes when the protocol is use under HTTP. 5. The Zoom , Focus or Auto Focus function has no response via camera web or CGI command. 6. The Motion Detection always triggered when the frame rate is 1. 7. The Crystal does show error when setup camera parameter to higher resolution.										
130N	v3.1.0.9	H.264 MPEG4 M-JPEG	1	1280x1024	1-way	1/1	Yes	Yes	Yes	Yes	
Note:	OB-130Np, WOB-130Np, GOB-130Np, FD-130Np, VD-130Np. FB-130Np, WFB-130Np compare them with OB-130Np difference is w/o zoom control Smart Zoom/Focus will spent 15s every time										
50xA	V3.2.2.8	H.264 MPEG4 M-JPEG	1	2592x1944	1-way	1/1	Yes	Yes	Yes	Yes	
Note:	1. Covered model:FB-500Ap, FD-301Af, WFB-500Ap, CB-500Ap, WCB-500Ap, CB-502Ap, WCB-502Ap, FD-500Ap, FD-502Ap , VD-301Af, VD-500Ap, VD-502Ap , OB-500Af, MB-500Ap, WMB-500Ap, MD-500Ap-360, FD-301Af, VD-301Af, OB-200Ap, FB-200Ap, OB-202Ap, VD-202Ap. OB-200Ap and VD-200Ap with zoom and focus function. 2. switch video resolution higher than 1920x1080 need waiting a period of time to reconnect stream 3. MD-500Ap-360 is no support DI/DO and one way audio only. 4. MD-500Ap-360 not support MD when format is MJPEG and MPEG4. 5. Support fisheye camera. 6. Max framerate can't sync with Wide and Ultra-Wide mode on camera web. 7. The RTSP stream has been disconnected in 5 minutes when the protocol is use under HTTP. 8. The image is broken when the format is MJPEG and resolution is 2592x1944 or 2304x1728. 9. The Zoom or Focus function has on response via camera web or CGI command. 10. The Crystal does show error when setup camera parameter to higher resolution. 11. [Crystal Only]The image of OB-200Ap sometimes cannot be updated under the protocol of TCP.										
CB-100Ae	v3.0.2.4	MPEG4 M-JPEG	1	1280x800	1-way	-	-	-	Yes	Yes	Tested by manufacturer
CB-100A	v3.0.2.4	H.264 MPEG4 M-JPEG	1	1280x800	1-way	-	-	-	Yes	Yes	Tested by manufacturer
FB-100Ae	v3.0.2.3	MPEG4 M-JPEG	1	1280x800	1-way	1/0	-	-	Yes	Yes	Tested by manufacturer
FB-100A	v3.0.2.3	H.264 MPEG4 M-JPEG	1	1280x800	1-way	1/0	-	-	Yes	Yes	Tested by manufacturer



- : not available on camera
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*2: not test on software

For multi stream support:

Yes: multi stream fix to A4500kbps/100kbps

Yes*: multi stream setting support in Crystal

For PTZ:

Yes*: Joystick support to control PTZ speed in Crystal

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Multi Stream Support	Remarks
FD-100Ae	v3.0.2.3	MPEG4 M-JPEG	1	1280x800	1-way	1/0	-	-	Yes	Yes	Tested by manufacturer
FD-100A	v2.3.7.8	H.264 MPEG4 M-JPEG	1	1280x800	1-way	1/0	-	-	Yes	Yes	
FD-130Ae	Refer to VD-130Ap	H.264 MPEG4 M-JPEG	1	1280x1024	1-way	1/1	-	Yes	Yes	Yes	Supported by design
FD-130Ap	Refer to VD-130Ap	H.264 MPEG4 M-JPEG	1	1280x1024	1-way	1/1	-	Yes	Yes	Yes	Supported by design
Hydracam	v3.2.3.4	H.264	3	1280x720	1-way	2/2	-	-	Yes	Yes	
Note:	1. Audio function is not supported. 2. Resolution and bitrate list is not synchronized with the camera webpage. 3. The video does not play smoothly when the frame rate set to 1.										
OB-100A	v3.1.0.8	H.264 MPEG4 M-JPEG	1	1280x800	1-way	1/1	Yes	Yes	Yes	Yes	
OB-E200Nf	v3.7.0.18.3u	H.264 MJPEG	1	1920x1080	-	-	-	Yes	Yes	Yes*	
VD-130Ae	Refer to VD-130Ap	H.264 MPEG4 M-JPEG	1	1280x1024	1-way	1/1	-	Yes	Yes	Yes	Supported by design
VD-130Ap		H.264 MPEG4 M-JPEG	1	1280x1024	1-way	1/1	-	Yes	Yes	Yes	
VS-04A v2	3.5.2.15	H.264 MJPEG	4	720x576	1-way	4/4	Yes	Yes	Yes	Yes	
Note:	PTZ isn't work Audio isn't work The list of resolution and bitrate aren't synchoronized with the camera's web										
W/VS-01A	v3.1.0.6	H.264 MPEG4 M-JPEG	1	720x576	1-way	1/1	Yes	Yes	Yes	Yes	
WCB-100Ae	v3.0.2.4	MPEG4 M-JPEG	1	1280x800	1-way	-	-	-	Yes	Yes	Tested by manufacturer
WCB-100A	v2.3.7.8	H.264 MPEG4 M-JPEG	1	1280x800	1-way	-	-	-	Yes	Yes	
WFB-100Ae	v3.0.2.3	MPEG4 M-JPEG	1	1280x800	1-way	1/0	-	-	Yes	Yes	Tested by manufacturer
WFB-100A	v2.3.7.8	H.264 MPEG4 M-JPEG	1	1280x800	1-way	1/0	-	-	Yes	Yes	
Note:	On-edge motion is only workable when stream 1 is MPEG4 with the bitrate under 1.5Mbps or quality under 3. We don't promise the performance of MD if the configuration isn't within the limitation.										
OSD/PZ-040D	v3.1.0.8	H.264 MPEG4 M-JPEG	1	720x480	1-way	1/1	Yes	Yes	Yes	Yes	
OSD/PZ-040E	v3.1.0.8	H.264 MPEG4 M-JPEG	1	720x576	1-way	1/1	Yes	Yes	Yes	Yes	



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- : not available on camera
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For multi stream support:

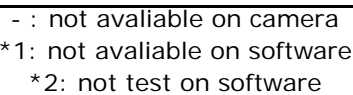
Yes: multi stream fix to 500kbps/100kbps

Yes*: multi stream setting support in Crystal

For PTZ:

Yes*: Joystick support to control PTZ speed in Crystal

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Camera Search Tool	Multi Stream Support	Remarks
VB-H43	1.2.0	H.264	1	1920x1080	*2	*2	Yes*	*2	*2	-	Yes*	
VB-M640V	1.0.0	MJPEG	1	1280x720	-	-	-	*2	*2	-	Yes*	
Note:	1. Camera setting will synchronize both on stream 2 and stream 3. (Camera firmware issue) 2. Low/Min stream (stream 2 or stream 3) cannot connect randomly.(Camera firemwre issue) 3. Support focus in MainConsole. 4. Brightness and saturation cannot be set. (Camera firmware Issue)											
VB-S30D	Ver. 1.1.0	MJPEG	1	1920x1080	1-way	1/1	Yes	Yes	-	Yes	Yes*	
Note:	1.The video parameters of the camera are not configurable with IP+.											
VB-S31D	Refer to VB-S30D(Ver. 1.1.0)	MJPEG	1	1920x1080	1-way	1/1	*2	Yes	-	Yes	Yes*	Supported by design
VB-S800D	1.3.0	H.264	1	1920x1080	1-way	1/1	-	Yes	Yes	-	Yes*	
Note:	1. Bitrate list won't synchronize with camera web. (Camera firmware limitation) 2. Camera via MJPEG is unable to achieve setting frame rate. (Camera performance issue)											
VB-S900F	Refer to VB-S800D(Ver. 1.1.0)	MJPEG	1	1920x1080	1-way	1/1	-	Yes	-	Yes	Yes*	Supported by design
VB-S905F	Ver. 1.0.0	MJPEG	1	1280x960	1-way	1/1	-	Yes	-	Yes	Yes*	
Note:	1.The range of video parameters are difference between camera web and onvif responded.											
VB-S805D	Refer to VB-S905F(Ver. 1.0.0)	MJPEG	1	1280x960	1-way	1/1	-	Yes	-	Yes	Yes*	Supported by design



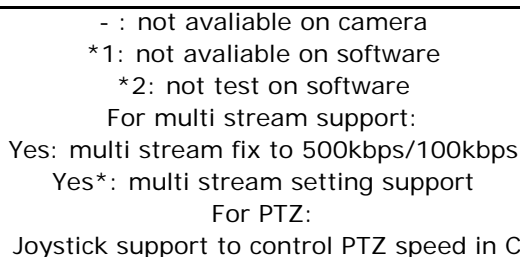
For multi stream support:
 Yes: multi stream fix to 500kbps/100kbps
 Yes*: multi stream setting support

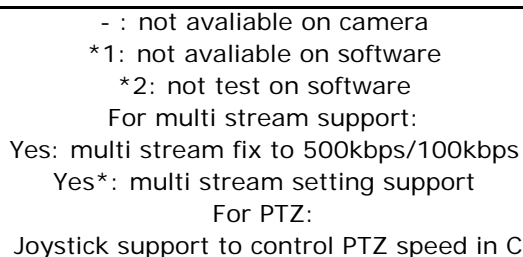
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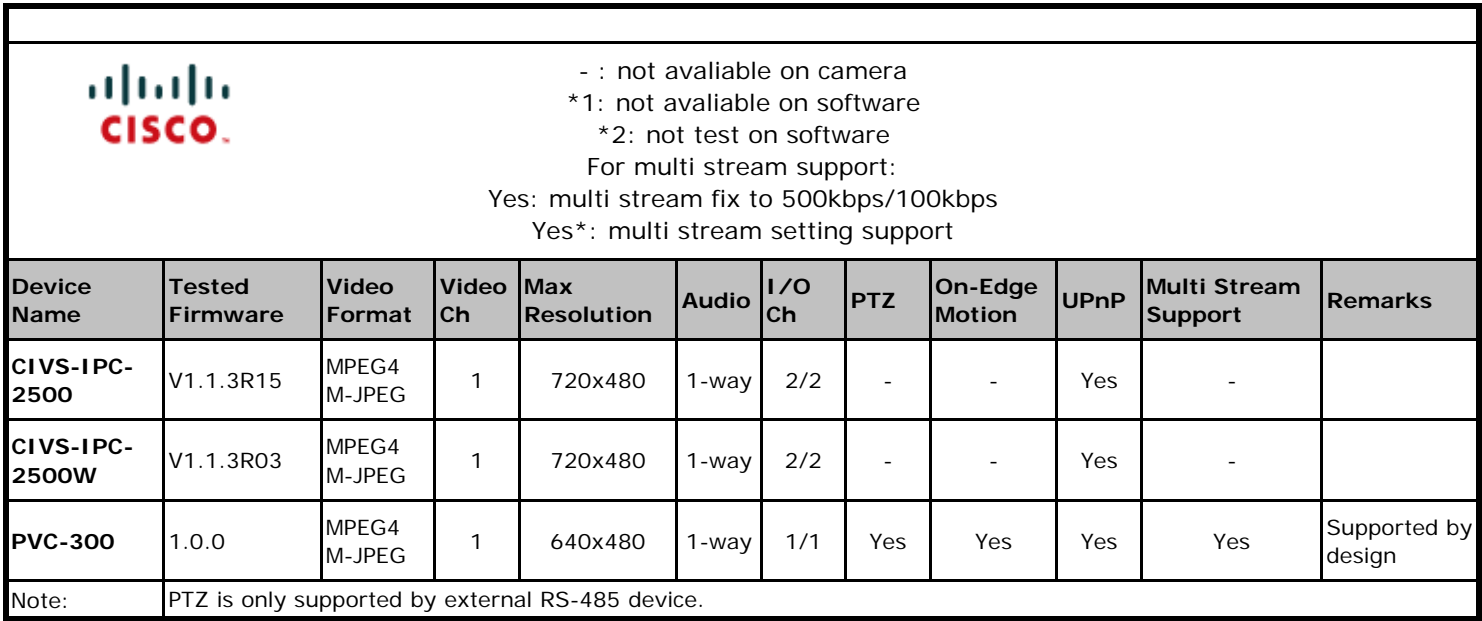
- : not available on camera
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For multi stream support:
Yes: multi stream fix to 500kbps/100kbps
Yes*: multi stream setting support
For PTZ:
Yes*: Joystick support to control PTZ speed in Crystal

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Multi Stream Support	Remarks
B13H	v1.1.0.0	H.264 MPEG4 M-JPEG	1	1280x1024	1-way	1/1	-	Yes	Yes	Yes	
C10	refer to C10-W	H.264 MPEG4 M-JPEG	1	1280x800	1-way	-	-	Yes	Yes	Yes	Supported by design
C10-W	v1.1.0.0(built2)	H.264 MPEG4 M-JPEG	1	1280x800	1-way	-	-	Yes	Yes	Yes	
D13HD	v1.1.0.0	H.264 MPEG4 M-JPEG	1	1280x1024	1-way	1/1	-	Yes	Yes	Yes	
Generic	cx20141008 NSA	H.264 M-JPEG	1	1920x1080	1-way	4/2	Yes*	Yes	-	Yes*	Supported by design
Note:	1. It can't stop pan & tilt sometimes. (Camera performance limitation) 2.It can't set zoom speed. (Camera Firmware issue) 3.It should set one stream in MJPEG, the snapshot will work. (Camera Firmware issue) 4.If set preset point too fast, it will set wrong point. (Camera performance limitation) 5.The resolution setting doesn't sync with web. (Camera Firmware issue)										
W13H	v1.1.0.0(built2)	H.264 MPEG4 M-JPEG	1	1280x1024	1-way	1/1	-	Yes	Yes	Yes	

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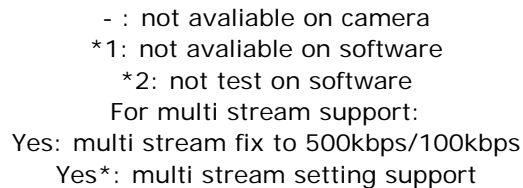


Yes : 30 FPS support to control FPS speed in Crystal											
Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Multi Stream Support	Remarks
DM5115	01_C017	H.264 H.265 MJPEG	1	2560x1920	1-way	1/1	-	Yes	Yes	Yes*	Supported by design
DM7302	01_C020	H.264 H.265 MJPEG	1	1920x1080	1-way	2/2	Yes	Yes	Yes	Yes*	
Note:	1. H.265 starts from Crystal 3.2. 2. Audio has noise. (Camera Firmware issue) 3. G.726 does not supported. (NUUO server limitation)										
DM7305	01_C020	H.264 H.265 MJPEG	1	2560x1920	1-way	2/2	Yes	Yes	Yes	Yes*	Supported by design
Note:	1. H.265 starts from Crystal 3.2.										
BL5103	01_C018	H.264 H.265 MJPEG	1	2048x1536	-	-	-	Yes	Yes	Yes*	Supported by design
Note:	1. Display mosaic happen in 2304x1296 MJPEG. (Camera performance limitation) 2. Quality list can not sync with web. (Camera Firmware issue) 3. Bitrate list can not sync with web in MJPEG. (Camera Firmware issue)										
DM5103	01_C013	H.264 H.265 MJPEG	1	2304*1296	-	-	-	Yes	Yes	Yes*	Supported by design
Note:	1. Display mosaic happen in 2304x1296 MJPEG. (Camera performance limitation) 2. Quality list can not sync with web. (Camera Firmware issue) 3. Bitrate list can not sync with web in MJPEG. (Camera Firmware issue)										
FE5403	Refer to P4320 (01_C020)	H.264 H.265 MJPEG	1	2048x1520	1-way	1/1	-	Yes	Yes	Yes*	Supported by design
Note:	1. H.265 starts from Crystal 3.2.										
FE5405	Refer to P4520(01_CO20)	H.264 H.265 MJPEG	1	2560x1920	1-way	1/1	-	Yes	Yes	Yes*	Supported by design
Note:	1. H.265 starts from Crystal 3.2.										

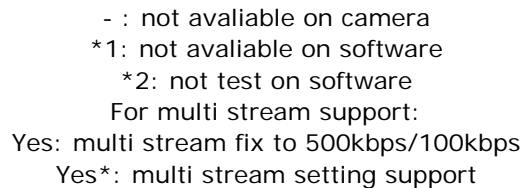


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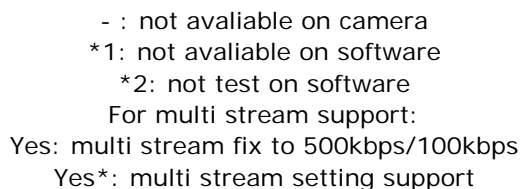
Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Camera Search Tool	Multi Stream Support	Remarks
IBE3815NVR		H.264 MPEG4 M-JPEG	1	704x480	1-way	-	Yes	-	Yes	-	Yes	Supported by design
IBE3815PVR		H.264 MPEG4 M-JPEG	1	704x576	1-way	-	Yes	-	Yes	-	Yes	Supported by design
IBE5810NCR		H.264 MPEG4 M-JPEG	1	704x480	1-way	-	Yes	-	Yes	-	Yes	Supported by design
IBE5810PCR		H.264 MPEG4 M-JPEG	1	704x576	1-way	-	Yes	-	Yes	-	Yes	Supported by design
IBP5030CR	XNET.A1- 2.01.13.02 04	H.264 MPEG4 M-JPEG	1	1280x960	1-way	1/1	Yes	Yes	Yes	-	Yes	Supported by design
Note:	In the MJPEG format, the fps is not enough when resolution is XGA or SXGA.											
IDC4000T	XNET.T1- 1.0.13.042 4	MPEG4 M-JPEG	1	640x480	1-way	1/1	-	Yes	Yes	-	Yes	
Note:	IDC4000T: 1. When setting Video MPEG with CBR in 4000 bitrate on camera web, the CGI will return incorrect video bitrate. It causes software show incorrect item "1M". 2. When trigger DI, DO will be triggered simultaneously. 3. 2nd stream format is MPEG4.											
IDC4050F	XNET.M1- 3.00.13.02 04	H.264 M-JPEG	1	1920x1080	1-way	1/1	Yes	Yes	Yes	-	Yes	Supported by design
Note:	1. Cannot set bitrate 128kbps when the resolution is D1 or VGA. It is firmware issue. 2. When it selects MJPEG, 1fps, the actually received fps is 6.											
IDC4050IR	XNET.M1- 3.00.13.02 04	H.264 M-JPEG	1	1920x1080	1-way	1/1	Yes	Yes	Yes	-	Yes	Supported by design
Note:	1. Cannot set bitrate 128kbps when the resolution is D1 or VGA. It is firmware issue. 2. When it selects MJPEG, 1fps, the actually received fps is 6.											
IDC4050VF	XNET.M1- 3.00.13.11 25	H.264 M-JPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	-	Yes	
Note:	1. Cannot set bitrate 128kbps when the resolution is D1 or VGA. It is firmware issue. 2. When it selects MJPEG, 1fps, the actually received fps is 6.											
IDC4050VR	Refer to IDC4050V F	H.264 M-JPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	-	Yes	Supported by design
Note:	1. Cannot set bitrate 128kbps when the resolution is D1 or VGA. It is firmware issue. 2. When it selects MJPEG, 1fps, the actually received fps is 6.											
IDP4000VD	XNET.A1- 1.1.9.1104	H.264 MPEG4 M-JPEG	1	640x480	1-way	-	-	-	Yes	-	Yes	
IDP4000VR	XNET.A1- 1.1.9.1104	H.264 MPEG4 M-JPEG	1	640x480	1-way	-	-	-	Yes	-	Yes	
IDP4030VR	XNET.A1- 2.01.13.02 04	H.264 MPEG4 M-JPEG	1	1280x960	1-way	1/1	Yes	Yes	Yes	-	Yes	Supported by design
Note:	In the MJPEG format, the fps is not enough when resolution is XGA or SXGA.											
IDP5035VR	XNET.M2- 3.00.13.02 04	H.264	1	1280x1024	1-way	1/1	Yes	Yes	Yes	-	Yes	Supported by design



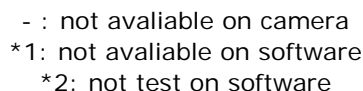
Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Camera Search Tool	Multi Stream Support	Remarks
Note:	Firmware issue, failed to set bitrate as 128k over VGA/D1.											
IGC2050F	XNET.M1-3.00.13.02 04	H.264 M-JPEG	1	1920x1080	1-way	1/1	Yes	Yes	Yes	-	Yes	
Note:	1. Cannot set bitrate 128kbps when the resolution is D1 or VGA. It is firmware issue. 2. When it selects MJPEG, 1fps, the actually received fps is 6.											
IGP1000		H.264 MPEG4 M-JPEG	1	640x480	1-way	-	Yes	-	Yes	-	-	Supported by design
IGP1030	XNET.A1-2.01.13.02 04	H.264 MPEG4 M-JPEG	1	1280x960	1-way	1/1	Yes	Yes	Yes	-	Yes	
Note:	In the MJPEG format, the fps is not enough when resolution is XGA or SXGA.											
IGP2035F	XNET.M2-3.00.13.02 04	H.264	1	1280x1024	1-way	1/1	Yes	Yes	Yes	-	Yes	
Note:	Firmware issue, failed to set bitrate as 128k over VGA/D1.											
IJB2000		H.264 MPEG4 M-JPEG	1	704x576	1-way	-	Yes	-	Yes	-	-	Supported by design
INS2000	XNET.A1-2.01.13.09 02	H.264 MPEG4 M-JPEG	1	704x576	1-way	1/1	Yes	Yes	Yes	-	Yes	
Note:	1. Could not reach up to maximum FPS 2. Audio choppy with G.711											
IPM3063N		H.264 MPEG4 M-JPEG	1	704x480	1-way	-	Yes		Yes	-	-	Supported by design
IPM3063P		H.264 MPEG4 M-JPEG	1	704x576	1-way	-	Yes	-	Yes	-	-	Supported by design
IS1765x	Refer to ISMC1063 x	H.264 MPEG4 M-JPEG	1	704x480(N) 704x576(P)	1-way	1/1	Yes	Yes	Yes	-	-	Supported by design
ISMC1063N		H.264 MPEG4 M-JPEG	1	704x480	1-way	-	Yes	Yes	Yes	-	-	Supported by design
ISMC1063x	XNET.A1-2.01.13.02 04	H.264 MPEG4 M-JPEG	1	704x480(N) 704x576(P)	1-way	4/0	Yes	Yes	Yes	-	Yes	
Note:	ISMC1063x includes ISMC1063P and ISMC1063N 1. Not support Audio codec G.726 when using TCP connection.											
ISS2765NW		H.264 MPEG4 M-JPEG	1	704x480	1-way	-	Yes	-	Yes	-	-	Supported by design
ISS2765PW		H.264 MPEG4 M-JPEG	1	704x576	1-way	-	Yes	-	Yes	-	-	Supported by design
ISS2965x	Refer to ISMC1063 x	H.264 MPEG4 M-JPEG	1	704x480(N) 704x576(P)	1-way	4/0	Yes	Yes	Yes	-	-	Supported by design
ISS4032Z28W	XNET.M2-3.00.13.02 04	H.264	1	1280x1024	1-way	1/1	Yes	Yes	Yes	-	Yes	Supported by design
Note:	Firmware issue, failed to set bitrate as 128k over VGA/D1.											



Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Camera Search Tool	Multi Stream Support	Remarks
ISSM2063x	Refer to ISMC1063x	H.264 MPEG4 M-JPEG	1	704x480(N) 704x576(P)	1-way	4/0	Yes	Yes	Yes	-	-	Supported by design
IVC5055VF	Refer to IDC4050IR	H.264 M-JPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	-	-	Supported by design
IVC5055VR	Refer to IDC4050VF (XNET.M1-3.00.13.1125)	H.264 M-JPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	-	Yes	Supported by design
Note:	1. Cannot set bitrate 128kbps when the resolution is D1 or VGA. It is firmware issue. 2. When it selects MJPEG, 1fps, the actually received fps is 6.											
IVP4000VR	XNET.A1-1.1.9.1028	H.264 MPEG4 M-JPEG	1	640x480	1-way	-	-	-	Yes	-	Yes	
IVP4030VR		H.264 MPEG4 M-JPEG	1	1280x960	1-way	-	-	-	Yes	-	Yes	Supported by design
IVP4030VR	XNET.A1-2.01.13.0204	H.264 MPEG4 M-JPEG	1	1280x960	1-way	1/1	Yes	Yes	Yes	-	Yes	Supported by design
Note:	In the MJPEG format, the fps is not enough when resolution is XGA or SXGA.											
IVP5035VR	Refer to IGP2035F (XNET.M2-2.00.12.1026)	H.264	1	1280x1024	1-way	1/1	Yes	Yes	Yes	-	Yes	Supported by design
IVP5035VR	XNET.M2-3.00.13.0204	H.264	1	1280x1024	1-way	1/1	Yes	Yes	Yes	-	Yes	Supported by design
Note:	Firmware issue, failed to set bitrate as 128k over VGA/D1.											
IXC2050IR	XNET.M1-3.00.13.0204	H.264 M-JPEG	1	1920x1080	1-way	1/1	Yes	Yes	Yes	-	Yes	Supported by design
Note:	1. Cannot set bitrate 128kbps when the resolution is D1 or VGA. It is firmware issue. 2. When it selects MJPEG, 1fps, the actually received fps is 6.											
IXP3035VR	XNET.M2-3.00.13.0204	H.264	1	1280x1024	1-way	1/1	Yes	Yes	Yes	-	Yes	Supported by design
Note:	Firmware issue, failed to set bitrate as 128k over VGA/D1.											
MPC1070PN	1.0.46	H.264 MJPEG	1	2592x1944	1-way	-	-	Yes	Yes	-	Yes	
Note:	1.Fisheye camera 1.(Camera performance limitation) Camera is unable to achieve maximum FPS. 2.(Camera firmware issue)Audio stutter with G.711. 3.(Camera performance limitation) MJPEG bitrate setting is restricted by fps setting. 4.(Camera performance limitation) 2nd stream and 3rd stream are unable to achieve 500k/100k bps.											

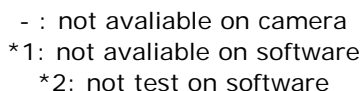


Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Camera Search Tool	Multi Stream Support	Remarks
MVC2050VR	3.4.2	H.264	1	1920x1080	-	-	-	Yes	Yes	-	Yes*	
Note:	1.Motion can't be used when the camera connected about 1 min. [Camera Firmware Issue] 2.Camera search fail if UPnP enable on camera web. [NUUO server limitation] 3.The audio function can't be used. [Camera Firmware Issue] 4.There has only support FPS up to 10 when the resolution is 1280x720. [Camera Firmware Issue] 5.The bitrate list was different from camera web. [Camera Firmware Issue]											
NDE5055MF	XNET.N1-1.02.13.02 04	H.264	1	1920x1080	1-way	1/1	Yes	Yes	Yes	-	Yes	Supported by design
Note:	1. Video connection cannot establish when the setting of bitrate is 9M or 10M.											
NDE5055VR	XNET.N1-1.02.13.02 04	H.264	1	1920x1080	1-way	1/1	Yes	Yes	Yes	-	Yes	Supported by design
Note:	1. Video connection cannot establish when the setting of bitrate is 9M or 10M.											
NGE2055F	XNET.N1-1.02.13.02 04	H.264	1	1920x1080	1-way	1/1	Yes	Yes	Yes	-	Yes	
Note:	1. Video connection cannot establish when the setting of bitrate is 9M or 10M.											
NVE5055MF	XNET.N1-1.02.13.02 04	H.264	1	1920x1080	1-way	1/1	Yes	Yes	Yes	-	Yes	Supported by design
Note:	1. Video connection cannot establish when the setting of bitrate is 9M or 10M.											
NVE5055VR	XNET.N1-1.02.13.02 04	H.264	1	1920x1080	1-way	1/1	Yes	Yes	Yes	-	Yes	Supported by design
Note:	1. Video connection cannot establish when the setting of bitrate is 9M or 10M.											
NXE3055MR	XNET.N1-1.02.13.02 04	H.264	1	1920x1080	1-way	1/1	Yes	Yes	Yes	-	Yes	Supported by design
Note:	1. Video connection cannot establish when the setting of bitrate is 9M or 10M.											
NXE3055VR	XNET.N1-1.02.13.02 04	H.264	1	1920x1080	1-way	1/1	Yes	Yes	Yes	-	Yes	Supported by design
Note:	1. Video connection cannot establish when the setting of bitrate is 9M or 10M.											



Yes: multi stream fix to 500kbps/100kbps
Yes*: multi stream setting support

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Multi Stream Support	Remarks
DCS-1100	1.00	MPEG4 M-JPEG	1	640x480	1-way	-	-	Yes	Yes	-	Supported by design
DCS-1100L	1.03_4130	MPEG4 M-JPEG	1	640x480	1-way	-	-	Yes	Yes	Yes	
DCS-1130	1.00	MPEG4 M-JPEG	1	640x480	1-way	-	-	Yes	Yes	-	Supported by design
DCS-1130L	1.03_4130	MPEG4 M-JPEG	1	640x480	1-way	-	-	Yes	Yes	Yes	
DCS-1201	V0.00.01	H.264 MPEG4 M-JPEG	1	1280x720	1-way	1/1	-	Yes	Yes	Yes	
DCS-1301	V0.01.00	H.264 MPEG4 M-JPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	Yes*	
Note:	The resolution and bitrate list may not be synchronized with camera web. (Camera Firmware issue)										
DCS-2102		MPEG4 M-JPEG	1	1280x1024	1-way	1/1	-	Yes	Yes	-	Supported by design
DCS-2103	V1.20	H.264 MPEG4 M-JPEG	1	1280x800	1-way	1/1	-	Yes	Yes	Yes*	
Note:	1. Camera cannot achieve maximum fps. (Camera performnace limitation)										
DCS-2103B1	Refer to DCS-2132LB(V2.00.05)	H.264 M-JPEG	1	1280x720	1-way	1/1	-	Yes	Yes	Yes*	Supported by design
DCS-2120		MPEG4	1	720x576	1-way	-	-	Yes	Yes	-	Supported by design
DCS-2120(TW)	0201tw	MPEG4	1	720x576	1-way	1/1	-	Yes	Yes	-	
DCS-2121		MPEG4 M-JPEG	1	1280x1024	1-way	1/1	-	Yes	Yes	-	Supported by design
DCS-2130	Refer to DCS-2103(1.20.00)	H.264 MPEG4 M-JPEG	1	1280x800	1-way	1/1	-	Yes	Yes	Yes	Supported by design
DCS-2103B1	Refer to DCS-2132LB1(v2.00.05)	H.264 M-JPEG	1	1280x720	1-way	1/1	-	Yes	Yes	Yes	Supported by design
DCS-2132L	1.00.06	H.264 MPEG4 M-JPEG	1	1280x800	1-way	1-way	-	Yes	Yes	Yes	
DCS-2132LB	V2.00.05	H.264 M-JPEG	1	1280x720	1-way	1/1	-	Yes	Yes	Yes*	
Note:	1. Audio-out will happen the loss of function when change the camera parameters. (Camera Firmware issue) 2. Audio codec only can choose G711. (Camera Firmware issue) 3. Sometimes motion can not be used. (Camera Firmware issue) 4.Resolution list does not synchronize with camera web, that cause all stream connection fail when a stream of the resolution sets to an out of boundary. (Camera Firmware issue)										



For multi stream support:
 Yes: multi stream fix to 500kbps/100kbps
 Yes*: multi stream setting support

Note:

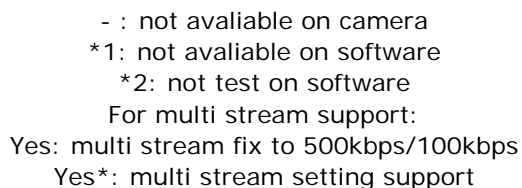
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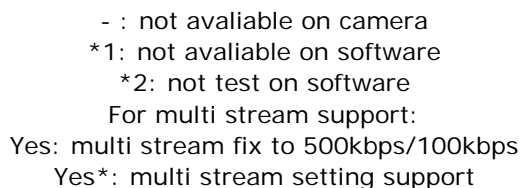
Note:

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Note:

[illegible]



Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Multi Stream Support	Remarks
DCS-2630L	v1.02.02	H.264	1	1920x1080	1-way	-	-	Yes	Yes	Yes*	
Note:	1.Stream2's frame rate list can not sync with camera web. (Camera Firmware issue) 2.Audio codec can not sync with camera web that cause no sound. (Camera Firmware issue)										
DCS-3010	v1.12.07	H.264 MPEG4 M-JPEG	1	1280x800	1-way	-	-	Yes	Yes	Yes	
Note:	1. Stream would disconnect and motion would not be triggered due to camera limited performance. (Camera firmware issue)										
DCS-3110		MPEG4 M-JPEG	1	1280x1024	1-way	1/1	-	Yes	Yes	Yes	Supported by design
DCS-3112	v1.11.01	H.264 MPEG4 M-JPEG	1	1280x1024	1-way	2/1	Yes	Yes	Yes	Yes*	
Note:	1. DI can not work. (Camera Frimware issue)										
DCS-3220		MPEG4	1	720x576	1-way	1/1	-	Yes	Yes	-	Supported by design
DCS-3220G		MPEG4	1	720x576	1-way	1/1	-	Yes	Yes	-	
DCS-3410		MPEG4 M-JPEG	1	704x576	1-way	2/1	-	Yes	Yes	-	Supported by design
DCS-3411	1.02_4125	H.264 MPEG4 M-JPEG	1	640x480	1-way	2/1	Yes	Yes	Yes	Yes	
DCS-3415	1.00	MPEG4 M-JPEG	1	640x480	1-way	1/1	-	Yes	Yes	Yes	
Note:	DCS-3415 PTZ Support: zoom only.										
DCS-3420	1.03	MPEG4 M-JPEG	1	704x480	1-way	1/1	-	Yes	Yes	-	
DCS-3430	1.02_4125	H.264 MPEG4 M-JPEG	1	640x480	1-way	2/1	Yes	Yes	Yes	Yes	
DCS-3511	v1.10.13	H.264 MPEG4 MJPEG	1	1280x800	1-way	1/1	Yes	Yes	Yes	Yes*	
Note:	1. When sending a RS-485 command, the live view will be disconnected in a few seconds. (Camera Firmware issue) 2. Audio out can not work. (Camera Firmware issue) 3.Audio stutter with AAC and G.711, and G.711 is not clear. (Camera performance issue) 4.The digital output(DO) connector follows digital input(DI) to change status when DI is triggered.(Camera Firmware issue)										
DCS-3530	Refer to DCS-3511(v1.00.06)	H.264 MPEG4 M-JPEG	1	1280x800	1-way	1/1	Yes	Yes	Yes	Yes	Supported by design
DCS-3710	1.00	MPEG4 M-JPEG	1	1280x960	1-way	2/1	Yes	Yes	Yes	Yes	
DCS-3710B1	V0.02.00	H.264 MPEG4 M-JPEG	1	1280x1024	1-way	2/1	Yes	Yes	Yes	Yes*	
Note:	1. Because the CGI content does not include qualitymode field, the bitrate control mode is not synchronized with camera web. (Camera Firmware issue)										



- : not available on camera
 *1: not available on software
 *2: not test on software

For multi stream support:
 Yes: multi stream fix to 500kbps/100kbps
 Yes*: multi stream setting support

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Multi Stream Support	Remarks
DCS-3713		H.264 MPEG4 M-JPEG	1	1920x1080	1-way	2/1	-	Yes		Yes	
DCS-3714	v1.00.00	H.264 MPEG4 M-JPEG	1	1280x720	1-way	2/1	Yes	Yes	Yes	Yes*	
Note:	1. Not support 8M bitrate. (Camera Firmware issue)										
DCS-3715	v1.20	H.264 MPEG4 M-JPEG	1	1920x1080	1-way	1/1	Yes	Yes	Yes	-	
DCS-3716	V1.03.00	H.264 MPEG4 M-JPEG	1	2048x1536	1-way	1/1	Yes	Yes	Yes	Yes*	
Note:	1. The quality setting of M-JPEG is unavailable. (camera Firmware issue) 2. The main stream of resolution and frame rate list are different with camera web in MPEG4. (camera Firmware issue) 3. The camera with highest resolution is unable to achieve the setting framerate. (camera performance limitation) 4. The frame rate list is different with camera web when resolution set to 2048x1536. (camera Firmware issue) 5. The 2nd stream with any resolution is unable to achieve the setting bitrate in MPEG4. (camera performance limitation) 6. Talk function has stutter. (camrea Firmware issue) 7. The camera of all profiles with highest setting are unable to achieve the setting framerate.(camera performance limitation) 8. Bit rate can not achieve web setting in any setting.(camera performance limitation)										
DCS-4201	V1.00.02	H.264 M-JPEG	1	1280x720	1-way	1/1	-	Yes	Yes	Yes*	
Note:	1. The 2nd stream can not set to resolution 1280x720, when stream1 resolution is 1280x720.(Camera Firmware issue) 2. The camera with highest resolution is unable to achieve the setting framerate.(Camera performance limitation)										
DCS-4602EV	V1.00.01	H.264 MJPEG	1	1920x1080	-	-	-	Yes	Yes	Yes*	
Note:	1. The camera with highest resolution is unable to achieve the setting framerate in MJPEG.(Camera performance limitation)										
DCS-4603	0.00.08	H.264 MJPEG	1	2048x1536	-	-	-	Yes	Yes	Yes*	
Note:	1. The actual resolution is 896x720 but the setting list will show 900x720 (Camera firmware issue) 2. The camera with highest parameter via H.264 is unable to achieve setting frame rate. (Camera performance issue) 3. The camera with highest parameter via H.264 is unable to achieve setting bitrate. (Camera performance issue) 4. The camera with highest parameter via MJPEG is unable to achieve setting frame rate. (Camera performance issue)										
DCS-4622	1.00.03	H.264 MJPEG	1	1920x1536	1-way	-	-	Yes	Yes	Yes*	
DCS-4701E	V1.00.02	H.264 M-JPEG	1	1280x720	-	-	-	Yes	Yes	Yes*	
DCS-4703E	Refer to DCS-4603(0.00.08)	H.264 MJPEG	1	2048x1536	-	-	-	Yes	Yes	Yes*	Supported by design
DCS-4802E	Refer to DCS-4602EV(V1.00.01)	H.264 MJPEG	1	1920x1080	-	-	-	Yes	Yes	Yes*	Supported by design
DCD-5000L	v1.02.01	MJPEG	1	640x480	1-way	-	Yes*	Yes	Yes	-	
DCS-5010L	Refer to DCS-5020L(1.01)	H264 MJPEG	1	640x480	1-way	-	Yes	Yes	Yes	Yes	Supported by design



- : not available on camera
 *1: not available on software
 *2: not test on software

For multi stream support:
 Yes: multi stream fix to 500kbps/100kbps
 Yes*: multi stream setting support

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Multi Stream Support	Remarks
DCS-5020L	1.01	H264 MJPEG	1	640x480	1-way	-	Yes	Yes	Yes	Yes	
DCS-5029L	Refer to DCS-5222LB(V2.01.05)	H264 MJPEG	1	1280x720	1-way	1/1	Yes	Yes	Yes	Yes	Supported by design
DCS-5030L	v1.01.06	H.264 MPEG4	1	1280x720	1-way	-	Yes	Yes	Yes	Yes	
DCS-5211L	1.10	H.264 MPEG4	1	1280x720	1-way	1/1	Yes	Yes	Yes	Yes	
Note:	1. Only can patrol one times. (Camera firmware limitation)										
DCS-5220	0200	MPEG4	1	720x576	1-way	-	Yes	Yes	Yes	-	
DCS-5220 Bx	2.00	MPEG4 M-JPEG	1	640x480	1-way	-	Yes	Yes	Yes	Yes	
DCS-5220(TW)		MPEG4	1	720x576	1-way	-	Yes	Yes	Yes	-	Supported by design
DCS-5222L	1.10	H.264 MPEG4	1	1280x720	1-way	1/1	Yes	Yes	Yes	Yes	
Note:	1. Only can patrol one times. (Camera firmware limitation)										
DCS-5222LB	Refer to DCS-5222LB1(v2.01.05)	H.264 M-JPEG	1	1280x720	1-way	1/1	Yes	Yes	Yes	Yes	Supported by design
DCS-5222LB1	2.01.05	H.264 M-JPEG	1	1280x720	1-way	1/1	Yes	Yes	Yes	Yes	
DCS-5222LB2	Refer to DCS-5222LB1(2.01.05)	H.264 M-JPEG	1	1280x720	1-way	1/1	Yes	Yes	Yes	Yes	Supported by design
DCS-5230	1.02_4317	MPEG4 M-JPEG	1	1280x1024	1-way	1/1	Yes	Yes	Yes	Yes	
DCS-5230L	1.02_4317	MPEG4 M-JPEG	1	1280x1024	1-way	1/1	Yes	Yes	Yes	Yes	
DCS-5605	1.01, 4126	H.264 MPEG4 M-JPEG	1	740x480	1-way	1/1	Yes	Yes	Yes	Yes	
DCS-5610		MPEG4 M-JPEG	1	720x576	1-way	1/1	Yes	Yes	Yes	Yes	Supported by design
DCS-5615	1.00.02	H.264 M-JPEG	1	1920x1080	1-way	1/0	Yes	Yes	Yes	Yes	
DCS-5635	1.01, 4126	H.264 MPEG4 M-JPEG	1	740x480	1-way	1/1	Yes	Yes	Yes	Yes	
DCS-6004L	0.00.01	H.264 MPEG4 M-JPEG	1	1280x800	1-way	-	-	Yes	Yes	Yes	
Note:	DCS-6004L: 1. Resolution 176x144 and bitrate 8M are not the same as camera web. (Camera firmware issue)										
DCS-6005L	Refer to DCS-6004L(0.00.01)	H.264 MPEG4 M-JPEG	1	1280x800	1-way	-	-	Yes	Yes	Yes	Supported by design



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For multi stream support:
 Yes: multi stream fix to 500kbps/100kbps
 Yes*: multi stream setting support

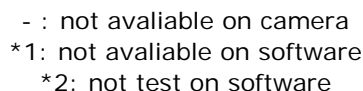
Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Multi Stream Support	Remarks
DCS-6010L	v1.12.02	H.264 MPEG4 MJPEG	1	1600x1200	1-way	-	Yes	Yes	Yes	Yes*	
Note:	1. The resolution is changed to 1600x1200, that the display mode of fisheye is enforced to 4R mode. (Camera Firmware issue)										
DCS-6045L	V1.00b3	H.264	1	1280x720	1-way	-	-	Yes	Yes	Yes	
DCS-6110	1	M-JPEG	1	720x576	-	1/1	-	Yes	Yes	Yes	
DCS-6111	1.00	MPEG4 M-JPEG	1	640x480	1-way	1/1	-	Yes	Yes	Yes	
DCS-6112	v2.10.02	H.264 MPEG4 M-JPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	Yes	
Note:	DCS-6112: 1.The camera with highest quality and MJPEG format is unable to achieve 30 fps 2.The audio talk is not supported										
DCS-6112B1	v3.00.00	H.264 MPEG4 M-JPEG	1	1920x1080	1-way	1/1	Yes	Yes	Yes	Yes	
Note:	1.The camera with highest quality and MJPEG format is unable to achieve 30 fps. (Camera performance issue) 2.The audio talk is not supported. (Camera Firmware issue)										
DCS-6112V		H.264 MPEG4 M-JPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	Yes	
DCS-6113	refer to DCS-6112(v2.10.02)	H.264 MPEG4 M-JPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	Yes	Supported by design
DCS-6113B1	v3.00.00	H.264 MPEG4 M-JPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	Yes	
DCS-6113V		H.264 MPEG4 M-JPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	Yes	
DCS-6113VB1	refer to DCS-6112B1(v3.00.00)	H.264 MPEG4 M-JPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	Yes	Supported by design
DCS-6115	v0.09.00	H.264 MPEG4 M-JPEG	1	1280x720	1-way	1/1	-	Yes	Yes	Yes*	
Note:	1.In highest parameter setting with MJPEG are unable to achieve sufficient FPS.(Camera performance limitation) 2. Multi-Stream Settings in auto mode bitrate will too high. (Camera Firmware issue)										
DCS-6116	v1.00.09	H.264 MJPEG	1	2048x1536	1-way	-	-	Yes	Yes	Yes*	
Note:	1. Frame rate lists are not synchronize with camera web on 50Hz. (Camera Firmware Issue) 2. Camera setting of speaker and mic switch doesn't synchronize with camera web. The status of them are in contrast. (Camera Firmware Issue) 3. Talk function with Alaw codec cannot work. (Camera Firmware Issue)										
DCS-6210	v1.00.06	H.264 MPEG4 M-JPEG	1	1920x1080	1-way	-	-	Yes	Yes	Yes*	



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For multi stream support:
 Yes: multi stream fix to 500kbps/100kbps
 Yes*: multi stream setting support

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Multi Stream Support	Remarks
Note:	1. Flip and Mirror of CGI are contrary the camera web. (Camera Firmware issue) 2. When move the camera, the camera is easily disconnect. (Camera performance limitation) 3. Audio has noise by using internal microphone. (Camera performance limitation) 4. In MJPEG, the live view displays 480x264 but the camera setting is 480x270. (Camera Firmware issue) 5. Each stream with any format and highest parameter setting are unable to achieve sufficient FPS. (Camera performance limitation) 6. The camera with highest setting is unable to achieve sufficient FPS in MJPEG. (Camera performance limitation) 7. The CGI's framerate and bitrate list is not same as camera web in the different resolution. (Camera Firmware issue) 8. Camera is unable achieve sufficient FPS with over 4M bitrate. (Camera Firmware issue) 9. In MPEG4 and MJPEG, the resolution list is not same as camera web. (Camera Firmware issue) 10. In MJPEG, the live view displays 800x448 but the camera setting is 800x450. (Camera Firmware issue) 11. When the format changes to MPEG4 before format is H.264 or MJPEG with the 176x144 resolution, the display will mosaic. (Camera performance limitation)										
DCS-6212L	0.01.00	H.264 M-JPEG	1	1920x1080	1-way	-	-	Yes	Yes	Yes	
DCS-6314	v1.01	H.264 MPEG4 MJPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	Yes*	
Note:	1. Camera with highest resolution is unable to achieve maximum FPS in any format. (Camera performance issue)										
DCS-6315	Refer to DCS-6115(V0.09.00)	H.264 MPEG4 M-JPEG	1	1280x720	1-way	1/1	-	Yes	Yes	Yes*	Supported by design
DCS-6410	1.00	MPEG4 M-JPEG	1	704x576	1-way	2/1	-	Yes	Yes	-	Supported by design
DCS-6510	v1.02	H.264 MPEG4 M-JPEG	1	640x480	*2	*2	-	Yes	Yes	Yes*	
Note:	1. It will return a JPEG image with resolution 640x360(aspect ratio 16:9), or 640x480(aspect ratio 4:3). (Camera performance limitation) 2. Audio and I/O can not test without connector.										
DCS-6511	V1.12.04	H.264 MPEG4 M-JPEG	1	1280x1024	1-way	1/1	Yes	Yes	Yes	Yes*	
Note:	DCS-6511: 1. PTZ only support zoom and focus 2. When changing format from others format to MPEG4, the resolution "176x144" is not synchronized with resolution list. (Camera Firmware issue) 3. Camera is unable to achieve maximum FPS. (Camera performance limitation)										
DCS-6513	1.02.00	H.264 MPEG4 M-JPEG	1	2048x1536	1-way	1/1	Yes	Yes	Yes	Yes*	
Note:	1. PTZ only supports focus. 2. In aspect ratio 4:3, the resolution of profile2 can't set 2048x1536 with H.264 and MJPEG. (Camera Firmware issue) 3. We can't integrate zoom function in our system, due to CGI request only has get operation by defining NIPCA 1.9.5. (Camera Firmware issue)										
DCS-6515	Refer to DCS-7518(v1.00.00)	H.264	1	1920x1080	1-way	1/1	-	Yes	Yes	Yes	Supported by design
DCS-6517	Refer to DCS-7517(1.00.03)	H.264 MJPEG	1	2560x1920	1-way	1/1	-	Yes	Yes	Yes*	Supported by design
DCS-6616	0.01.00	H.264 MPEG4 M-JPEG	1	720x480	1-way	8/1	Yes	Yes	Yes	Yes	



Yes: multi stream fix to 500kbps/100kbps
Yes*: multi stream setting support

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Multi Stream Support	Remarks
DCS-6620	1.05	MPEG4 M-JPEG	1	704x576	1-way	1/1	Yes	Yes	Yes	-	
DCS-6620G	1.05	MPEG4 M-JPEG	1	720x576	1-way	1/1	Yes	Yes	Yes	-	
DCS-6815B1	0.01.00	H.264 MPEG4 M-JPEG	1	720x480	1-way	8/1	Yes	Yes	Yes	Yes	
DCS-6817B1	0.01.00	H.264 MPEG4 M-JPEG	1	720x480	1-way	8/1	Yes	Yes	Yes	Yes	
DCS-6818B1	0.01.00	H.264 MPEG4 M-JPEG	1	720x480	1-way	8/1	Yes	Yes	Yes	Yes	
DCS-6915	v1.00.10	H.264	1	1920x1080	1-way	4/2	Yes	Yes	Yes	Yes	
DCS-6915B1	refer to DCS-6915(v1.00.10)	H.264	1	1920x1080	1-way	4/2	Yes	Yes	Yes	Yes	Supported by design
DCS-7000L	v0.09.00	H.264 M-JPEG	1	1280x720	1-way	-	-	Yes	Yes	Yes	
Note:	1. The parameters of the camera are not configurable with H.264 format. (Camera Firmware issue) 2. The format of the camera is not configurable from MJPEG to H.264. (Camera Firmware issue) 3. The camera with highest quality/resolution and MJPEG format is unable to achieve 30 fps. (Camera Firmware issue) 4. Sever format list is not same as camera web format list. (Camera Firmware issue)										
DCS-7010L	V1.05.03	H.264 MPEG4 M-JPEG	1	1280x800	1-way	1/1	-	Yes	Yes	Yes*	
Note:	1. The camera with highest resolution is unable to achieve the setting framerate in H.264 and MPEG4. (Camera performance limitation) 2. When the format changes to MPEG4 before format is H.264 or MJPEG with the 176x144 resolution, the display will mosaic. (camera firmware issue)										
DCS-7110	v1.20_20120517	H.264 MPEG4 M-JPEG	1	1280x800	-	1/1	Yes	Yes	Yes	Yes	
DCS-7110A3	V2.10.03	H.264 MPEG4 M-JPEG	1	1280x800	-	1/1	Yes	Yes	Yes	Yes	
Note:	1.The resolution 176x144 can't sync with web (Camera firmware issue)										
DCS-7110B1	V3.00.04	H.264 MPEG4 MJPEG	1	1920x1080	-	1/1	-	Yes	Yes	Yes*	
Note:	1.The camera with highest quality and resolution cannot achieve 30 fps. (Camera performance issue) 2.The framerate list will not change when resolution has been changed. (Camera Firmware issue)										
DCS-7410	1.00_3710	MPEG4 M-JPEG	1	720x480	1-way	2/1	Yes	Yes	Yes	Yes	
DCS-7413	1.00.02	H.264 M-JPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	Yes	
DCS-7413 B1	V2.11.08	H.264 MPEG4 M-JPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	Yes*	
Note:	1. The camera with highest bitrate and resolution are unable to achieve the setting framerate. (Camera performance issue)										



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 Yes*: multi stream setting support

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Multi Stream Support	Remarks
DCS-7510	1.00	MPEG4 M-JPEG	1	704x576	1-way	2/1	-	Yes	Yes	-	Supported by design
DCS-7513	V1.11.06	H.264 MPEG4 M-JPEG	1	1920x1080	1-way	1/1	Yes	Yes	Yes	Yes*	
Note:	1. The camera with highest bitrate and resolution are unable to achieve the setting framerate. (Camera performance issue) 2. When the format changes to MPEG4 before format is H.264 or MJPEG with the 176x144 resolution, the display will mosaic. (Camera Firmware issue) 3. The live view is not clear when the resolution changes to 320x176 or 480x270 in MPEG4. (Camera Firmware issue)										
DCS-7517	V1.00.03	H.264 MJPEG	1	2560x1920	1-way	1/1	-	Yes	Yes	Yes*	
Note:	1. Audio out function could not work. (Camera Firmware issue) 2. Audio in function only support G.711 codec. (Camera Firmware issue) 3. OSD of live view is showed 960x536 when camera web is setting 960x540 resolution in MJPEG. (Camera Fireware issue) 4. Zoom and fouds functions are not support. (Camera Fireware issue) 5. DI is triggered and DO status also opposites. (Camera Fireware issue) 6. Motion detection(MD) function is invalid when MD has activated for a long time. (Camera Fireware issue)										
DCS-7518	V1.00	H.264	1	1920x1080	1-way	1/1	-	Yes	Yes	Yes	
Note:	1. Can not search the camera by UPnP. (Camera firmware issue) 2. Talk function will fail with G.711 a-law. (Camera firmware issue) 3. Camera video parameter of contrast will fail when set up to 9. (Camera firmware issue) 4. The list of resolution and framerate is not synchronized with camera web. (Camera firmware issue)										
DCS-900	1.00	MPEG4	1	640x480	1-way	-	-	-	Yes	-	Supported by design
DCS-910	1.00	MPEG4	1	640x480	-	-	-	-	Yes	-	Supported by design
DCS-920		M-JPEG	1	640x480	-	-	-	-	Yes	-	Supported by design
DCS-930	1.00 build 2	M-JPEG	1	640x480	1-way	-	-	Yes	Yes	Yes	
DCS-930L	1.00 build 2	M-JPEG	1	640x480	1-way	-	-	Yes	Yes	Yes	
DCS-930LB	Refer to DCS-930LB1(v2.00 b1)	M-JPEG	1	640x480	1-way	-	-	Yes	Yes	Yes	Supported by design
DCS-930LB1	2.13.12	M-JPEG	1	640x480	1-way	-	-	Yes	Yes	Yes	
DCS-931L	1.00_b4	H.264 M-JPEG	1	640x480	1-way	-	-	Yes	Yes	Yes	
DCS-932	1.00	M-JPEG	1	640x480	1-way	-	-	Yes	Yes	Yes	
DCS-932L	1.05_2012-10-26_2.0.16-b4	M-JPEG	1	640x480	1-way	-	-	Yes	Yes	Yes	



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Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Multi Stream Support	Remarks
DCS-932LB	Refer to DCS-932LB1(v2.00 b1)	M-JPEG	1	640x480	1-way	-	-	Yes	Yes	Yes	Supported by design
DCS-932LB1	2.13.12	M-JPEG	1	640x480	1-way	-	-	Yes	Yes	Yes	
DCS-933L	1.00_b4	H.264 M-JPEG	1	640x480	1-way	-	-	Yes	Yes	Yes	
DCS-935L	V1.00	H.264 M-JPEG	1	1280x720	1-way	-	-	Yes	-	Yes	
DCS-936L	v1.02.00	H.264	1	1280x720	1-way	-	-	Yes	Yes	Yes*	
Note:	1. Audio may works abnormal. (NUUO limitation)										
DCS-940L	1	H.264 MPEG4 M-JPEG	1	640x480	1-way	-	-	Yes	Yes	Yes	
DCS-942L	1.2	H.264 MPEG4 M-JPEG	1	640x480	1-way	-	-	Yes	Yes	Yes	
DCS-942LB	Refer to DCS-942LB1(v2.00 b1)	H.264 MJPEG MPEG4	1	640x480	1-way	-	-	Yes	Yes	Yes	Supported by design
DCS-942LB1	V2.00_3815	H.264 MJPEG MPEG4	1	640x480	1-way	-	-	Yes	Yes	Yes	
DCS-950		MPEG4	1	640x480	1-way	-	-	-	Yes	-	Supported by design
DCS-950G		MPEG4	1	640x480	1-way	-	-	-	Yes	-	Supported by design
DCS-960L	v1.03.05	H.264	1	1280x720	1-way	-	-	Yes	*2	Yes*	
Note:	1.Audio codec can not sync with camera web that cause noise. (Camera Firmware issue)										
DCS-G900		M-JPEG	1	640x480	-	-	-	-	Yes	-	Supported by design
DCS-N2100		MPEG4 M-JPEG	1	640x480	-	-	-	Yes		Yes	
DCS-N2104		MPEG4 M-JPEG	1	640x480	-	-	-	Yes		Yes	
DCS-N2200		MPEG4 M-JPEG	1	1280x1024	-	-	-	Yes		Yes	
DCS-N2204		MPEG4 M-JPEG	1	1280x1024	-	-	-	Yes		Yes	
DCS-N3530		MPEG4 M-JPEG	1	720x576	-	2/2	-	Yes		Yes	
DCS-N3531		MPEG4 M-JPEG	1	720x576	-	2/2	Yes	Yes		Yes	



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Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Multi Stream Support	Remarks
DCS-N3534		MPEG4 M-JPEG	1	720x576	-	2/2	Yes	Yes		Yes	
DCS-N4141		MPEG4 M-JPEG	1	1280x1024	-	1/1	-	Yes		Yes	
DCS-N4532		MPEG4 M-JPEG	1	720x576	-	1/1	-	Yes		Yes	
DCS-N4533		MPEG4 M-JPEG	1	720x576	-	1/1	-	Yes		Yes	
DCS-N5424		MPEG4 M-JPEG	1	720x576	-	1/1	Yes	Yes		Yes	
DCS-N5440		MPEG4 M-JPEG	1	720x576	-	1/1	Yes	Yes		Yes	
DCS-N5441		MPEG4 M-JPEG	1	720x576	-	1/1	Yes	Yes		Yes	
DCS-N5442		MPEG4 M-JPEG	1	720x576	-	1/1	Yes	Yes		Yes	
DCS-N5444		MPEG4 M-JPEG	1	720x576	-	1/1	Yes	Yes		Yes	
DCS-N6240		MPEG4 M-JPEG	1	720x576	-	1/1	Yes	Yes		Yes	
DCS-N6241		MPEG4 M-JPEG	1	720x576	-	1/1	Yes	Yes		Yes	
DCS-N6244		MPEG4 M-JPEG	1	720x576	-	1/1	Yes	Yes		Yes	
DVS-104		M-JPEG	4	720x576	-	4/2	-	Yes	Yes	-	Supported by design
DVS-210-1	1.00.01	MPEG4 M-JPEG	1	720x480	1-way	2/1	Yes	Yes	Yes	Yes	
DVS-310-1	1.00.11	H.264 MPEG4 M-JPEG	1	720x480	1-way	2/1	Yes	Yes	Yes	Yes	
DVS-N1010		MPEG4 M-JPEG	4	720x576	-	4/4	Yes	Yes		Yes	
DVS-N3010		MPEG4 M-JPEG	1	720x576	-	2/2	Yes	Yes		Yes	
DVS-N3011		MPEG4 M-JPEG	1	720x576	-	2/2	Yes	Yes		Yes	
DVS-N3014		MPEG4 M-JPEG	1	720x576	-	2/2	Yes	Yes		Yes	
DVS-N3040		MPEG4 M-JPEG	4	700x576	-	4/4	Yes	Yes		Yes	
DVS-N3041		MPEG4 M-JPEG	4	688x544	-	4/4	Yes	Yes		Yes	
DVS-N3044		MPEG4 M-JPEG	4	688x544	-	4/4	Yes	Yes		Yes	



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Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Multi Stream Support	Remarks
Universal Model	Tested bt DCS-2332L(V1.01.02)	H.264 MPEG4 M-JPEG	1	1280x800	1-way	-	-	Yes	-	Yes	



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Yes*: multi stream setting support

If general, motion, alarm stream settings is inconsistent, the connection will be unstable.

The connection is unstable, because of using ServerPush to get events.

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Multi Stream Support	Remarks
HCVR5104H	3.200.0005.1 .R, build : 2014-04-27	H.264	4	1280x720	1-way	-	Yes*	Yes	Yes	Yes	
Note:	1.The bit-rate values in the combo box are not all valid, users have to choose a valid one (the range can be get from the web of the device) while setting. (NUUO Server limitation) 2.The auto detection and the UPnP searching are not supported. (DVR Firmware issue) 3.The audio-in is for Channel 1 only. (DVR Firmware issue) 4.The PCM audio format is not supported. (DVR Firmware issue) 5.The talk function is not supported. (DVR Firmware issue) 6.The move and auto-pan functions of PTZ are not supported. (DVR Firmware issue) 7.After doing focus-near or focus-far, it will do autofocus immediately. (DVR Firmware issue) 8.The auto-focus is not supported because it is not supported by the Dahua CGI API. (DVR Firmware issue) 9.The motion detection is not supported. (DVR Firmware issue) 10.In some cases (lower FPS), setting the video configuration will fail, even the bit-rate is fit. (DVR Firmware issue)										
HDB3300		H.264 M-JPEG	1	2048×1536	1-way	2/1	Yes	Yes	-	Yes	Supported by design
Note:	HDB3300N and HDB3300P are compatible with HDB3300										
HDBW3300	V2.000 , Update 2011.10.22	H.264 M-JPEG	1	2048×1536	1-way	2/1	Yes	Yes	-	Yes	
Note:	HDBW3300N and HDBW3300P are compatible with HDBW3300										
HF3110	V2.000 , Update 2011.10.22	H.264 M-JPEG	1	1280x960	1-way	1/1	Yes	Yes	-	Yes	
Note:	HF3110N and HF3110P are compatible with HF3110										
HF3211P	V2.000 , Update 2011.10.22	H.264 M-JPEG	1	1920x1080	1-way	2/1	Yes	Yes	-	Yes	
HF3300	V2.000 , Update 2011.10.22	H.264 M-JPEG	1	2048×1536	1-way	1/1	Yes	Yes	-	Yes	
Note:	1. HF3300N, HF3300N-W, HF3300P and HF3300P-W are compatible with HF3300 2. HF3300 series: there may be image noise of dual stream, which can be observed from the camera web as well. 3. Setting preset point doesn't work properly. 4. PTZ is only supported by external RS-485 device.										
IPC-EBW81200	2.400.0000.4 .R, build : 2015-08-06	H.264 MJPEG	1	4000x3000	1-way	2/1	-	Yes	Yes	Yes*	
Note:	Fisheye camera with manual calibration in Crystal 1. Server does not support G.726 and AAC. (NUUO server limitation) 2. The list of frame rate is not synchronized with the one on the camera web. (Camera Firmware issue)										



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For multi stream support:
Yes: multi stream fix to 500kbps/100kbps
Yes*: multi stream setting support

If general, motion, alarm stream settings is inconsistent, the connection will be unstable.
The connection is unstable, because of using ServerPush to get events.

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Multi Stream Support	Remarks
IPC-EBW8600	2.400.0000.4 .R, build : 2015-08-06	H.264 MJPEG	1	3072x2048	1-way	2/1	-	Yes	Yes	Yes*	
Note:	Fisheye camera with manual calibration in Crystal 1. Server does not support G.726 and AAC. (NUUO server limitation)										
IPC-HFW1220S	2.420.0000.1 1.R, build : 2015-07-07	H.264 MJPEG	1	1920x1080	-	-	-	Yes	Yes	Yes*	
Note:	1. The list of frame rate is not synchronized with the one on the camera web. (Camera Firmware issue)										
IPC-HFW5200	2.42	H.264 MJPEG	1	1920x1080	1-way	2/1	-	Yes	Yes	Yes	
Note:	1. Sometime parameter dialog will fail to get codec parameter with high bitrate. (Camera performance limitation) 2. The range of parameter on camera will change by other parameter, our parameter dialog can't synchornize with camera. (Camera firmware issue) 3. Slow reaction when motion dectection is triggered. (Camera performance limitation) 4. Polling the DI/Motion status will make the audio stutter (Camera performance limitation)										
IPC-HFW5302C	2.420.0005.0 .R, build : 2014-12-05	H.264 MJPEG	1	2048x1536	1-way	2/1	Yes	Yes	Yes	Yes	
Note:	1. The range of parameter on camera will change by other parameter, our parameter dialog can't synchornize with camera. (Camera firmware issue) 2. When framerate set to 1 and record dynamic picture, the picture's framerate may rise to 30 immediately. (Camera firmware issue) 3. Sometime parameter dialog will fail to get parameters with high resolution, framerate, and bitrate. (Camera performance limitation) 4. Zoom in/out will not run step by step, it will zoom to limit directly. (Camera firmware issue) 5. DO can not trigger. (Camera firmware issue) 6. PTZ only support zoom & focus.										
IPC-HF5100	Refer to IPC-HFW5302C(2.420.0005.0.R, build : 2014-12-05)	H.264 MJPEG	1	2048x1536	1-way	2/1	Yes	Yes	Yes	Yes	Supported by design
IPC-HF5200	Refer to IPC-HFW5302C(2.420.0005.0.R, build : 2014-12-05)	H.264 MJPEG	1	2048x1536	1-way	2/1	Yes	Yes	Yes	Yes	Supported by design



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*2: not test on software

For multi stream support:
Yes: multi stream fix to 500kbps/100kbps
Yes*: multi stream setting support

If general, motion, alarm stream settings is inconsistent, the connection will be unstable.
The connection is unstable, because of using ServerPush to get events.

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Multi Stream Support	Remarks
IPC-HFW5100D	Refer to IPC-HFW5302C(2.420.0005.0.R, build : 2014-12-05)	H.264 MJPEG	1	2048x1536	1-way	2/1	Yes	Yes	Yes	Yes	Supported by design
IPC-HFW5200D	Refer to IPC-HFW5302C(2.420.0005.0.R, build : 2014-12-05)	H.264 MJPEG	1	2048x1536	1-way	2/1	Yes	Yes	Yes	Yes	Supported by design
IPC-HFW5100-IRA	Refer to IPC-HFW5302C(2.420.0005.0.R, build : 2014-12-05)	H.264 MJPEG	1	2048x1536	1-way	2/1	Yes	Yes	Yes	Yes	Supported by design
IPC-HFW5200-IRA	Refer to IPC-HFW5302C(2.420.0005.0.R, build : 2014-12-05)	H.264 MJPEG	1	2048x1536	1-way	2/1	Yes	Yes	Yes	Yes	Supported by design
IPC-HFW5100C	Refer to IPC-HFW5302C(2.420.0005.0.R, build : 2014-12-05)	H.264 MJPEG	1	2048x1536	1-way	2/1	Yes	Yes	Yes	Yes	Supported by design
IPC-HFW5200C	Refer to IPC-HFW5302C(2.420.0005.0.R, build : 2014-12-05)	H.264 MJPEG	1	2048x1536	1-way	2/1	Yes	Yes	Yes	Yes	Supported by design
IPC-HFW5300C	Refer to IPC-HFW5302C(2.420.0005.0.R, build : 2014-12-05)	H.264 MJPEG	1	2048x1536	1-way	2/1	Yes	Yes	Yes	Yes	Supported by design
IPC-HFW5202C	Refer to IPC-HFW5302C(2.420.0005.0.R, build : 2014-12-05)	H.264 MJPEG	1	2048x1536	1-way	2/1	Yes	Yes	Yes	Yes	Supported by design



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 Yes*: multi stream setting support

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 The connection is unstable, because of using ServerPush to get events.

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Multi Stream Support	Remarks
IPC-HFW5100E-VF	Refer to IPC-HFW5302C(2.420.0005.0.R, build : 2014-12-05)	H.264 MJPEG	1	2048x1536	1-way	2/1	Yes	Yes	Yes	Yes	Supported by design
IPC-HFW5200E-VF	Refer to IPC-HFW5302C(2.420.0005.0.R, build : 2014-12-05)	H.264 MJPEG	1	2048x1536	1-way	2/1	Yes	Yes	Yes	Yes	Supported by design
IPC-HFW5300E-VF	Refer to IPC-HFW5302C(2.420.0005.0.R, build : 2014-12-05)	H.264 MJPEG	1	2048x1536	1-way	2/1	Yes	Yes	Yes	Yes	Supported by design
IPC-HFW5200E-Z	Refer to IPC-HFW5302C(2.420.0005.0.R, build : 2014-12-05)	H.264 MJPEG	1	2048x1536	1-way	2/1	Yes	Yes	Yes	Yes	Supported by design
IPC-HFW5300E-Z	Refer to IPC-HFW5302C(2.420.0005.0.R, build : 2014-12-05)	H.264 MJPEG	1	2048x1536	1-way	2/1	Yes	Yes	Yes	Yes	Supported by design
IPC-HDBW4421E	Refer to IPC-HFW5421E-Z(2.400.0000.23.R, build : 2015-12-15)	H.264 MJPEG	1	2688x1520	-	-	-	Yes	Yes	Yes*	Supported by design
IPC-HDBW4421F-AS	Refer to IPC-HFW5421E-Z(2.400.0000.23.R, build : 2015-12-15)	H.264 MJPEG	1	2688x1520	-	-	-	Yes	Yes	Yes*	Supported by design



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 Yes*: multi stream setting support

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Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Multi Stream Support	Remarks
IPC-HDBW5100	Refer to IPC-HFW5302C(2.420.0005.0.R, build : 2014-12-05)	H.264 MJPEG	1	2048x1536	1-way	2/1	Yes	Yes	Yes	Yes	Supported by design
IPC-HDBW5200	Refer to IPC-HFW5302C(2.420.0005.0.R, build : 2014-12-05)	H.264 MJPEG	1	2048x1536	1-way	2/1	Yes	Yes	Yes	Yes	Supported by design
IPC-HDBW5300	Refer to IPC-HFW5302C(2.420.0005.0.R, build : 2014-12-05)	H.264 MJPEG	1	2048x1536	1-way	2/1	Yes	Yes	Yes	Yes	Supported by design
IPC-HDBW5202	Refer to IPC-HFW5302C(2.420.0005.0.R, build : 2014-12-05)	H.264 MJPEG	1	2048x1536	1-way	2/1	Yes	Yes	Yes	Yes	Supported by design
IPC-HDBW5302	Refer to IPC-HFW5302C(2.420.0005.0.R, build : 2014-12-05)	H.264 MJPEG	1	2048x1536	1-way	2/1	Yes	Yes	Yes	Yes	Supported by design
IPC-HDBW5100-DI	Refer to IPC-HFW5302C(2.420.0005.0.R, build : 2014-12-05)	H.264 MJPEG	1	2048x1536	1-way	2/1	Yes	Yes	Yes	Yes	Supported by design
IPC-HDBW5200-DI	Refer to IPC-HFW5302C(2.420.0005.0.R, build : 2014-12-05)	H.264 MJPEG	1	2048x1536	1-way	2/1	Yes	Yes	Yes	Yes	Supported by design
IPC-HDBW5300-DI	Refer to IPC-HFW5302C(2.420.0005.0.R, build : 2014-12-05)	H.264 MJPEG	1	2048x1536	1-way	2/1	Yes	Yes	Yes	Yes	Supported by design



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Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Multi Stream Support	Remarks
IPC-HDBW5202-DI	Refer to IPC-HFW5302C(2.420.0005.0.R, build : 2014-12-05)	H.264 MJPEG	1	2048x1536	1-way	2/1	Yes	Yes	Yes	Yes	Supported by design
IPC-HDBW5302-DI	Refer to IPC-HFW5302C(2.420.0005.0.R, build : 2014-12-05)	H.264 MJPEG	1	2048x1536	1-way	2/1	Yes	Yes	Yes	Yes	Supported by design
IPC-HDB5100	Refer to IPC-HFW5302C(2.420.0005.0.R, build : 2014-12-05)	H.264 MJPEG	1	2048x1536	1-way	2/1	Yes	Yes	Yes	Yes	Supported by design
IPC-HDB5200	Refer to IPC-HFW5302C(2.420.0005.0.R, build : 2014-12-05)	H.264 MJPEG	1	2048x1536	1-way	2/1	Yes	Yes	Yes	Yes	Supported by design
IPC-HDB5300	Refer to IPC-HFW5302C(2.420.0005.0.R, build : 2014-12-05)	H.264 MJPEG	1	2048x1536	1-way	2/1	Yes	Yes	Yes	Yes	Supported by design
IPC-HDB5202	Refer to IPC-HFW5302C(2.420.0005.0.R, build : 2014-12-05)	H.264 MJPEG	1	2048x1536	1-way	2/1	Yes	Yes	Yes	Yes	Supported by design
IPC-HDB5302	Refer to IPC-HFW5302C(2.420.0005.0.R, build : 2014-12-05)	H.264 MJPEG	1	2048x1536	1-way	2/1	Yes	Yes	Yes	Yes	Supported by design
IPC-HDB5100-DI	Refer to IPC-HFW5302C(2.420.0005.0.R, build : 2014-12-05)	H.264 MJPEG	1	2048x1536	1-way	2/1	Yes	Yes	Yes	Yes	Supported by design



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Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Multi Stream Support	Remarks
IPC-HDB5200-DI	Refer to IPC-HFW5302C(2.420.0005.0.R, build : 2014-12-05)	H.264 MJPEG	1	2048x1536	1-way	2/1	Yes	Yes	Yes	Yes	Supported by design
IPC-HDB5300-DI	Refer to IPC-HFW5302C(2.420.0005.0.R, build : 2014-12-05)	H.264 MJPEG	1	2048x1536	1-way	2/1	Yes	Yes	Yes	Yes	Supported by design
IPC-HDB5202-DI	Refer to IPC-HFW5302C(2.420.0005.0.R, build : 2014-12-05)	H.264 MJPEG	1	2048x1536	1-way	2/1	Yes	Yes	Yes	Yes	Supported by design
IPC-HDB5302-DI	Refer to IPC-HFW5302C(2.420.0005.0.R, build : 2014-12-05)	H.264 MJPEG	1	2048x1536	1-way	2/1	Yes	Yes	Yes	Yes	Supported by design
IPC-HD2100	2.212.0000.1.T, build : 2014-02-08	H.264 M-JPEG	1	1280x960	-	-	-	Yes	Yes	Yes	
Note:	1. The range of bitrate and framerate does not synchronous with the camera's website which may result in failure of stream parameter setting. 2. If enable MD and used MJPEG as stream codec which could result in video freeze then start play after few seconds. 3. There is invalid mac address in UPnP search.										
IPC-HDW4421E	Refer to IPC-HFW5421E-Z(2.400.0000.0.23.R, build : 2015-12-15)	H.264 MJPEG	1	2688x1520	1-way	1/1	-	Yes	Yes	Yes*	Supported by design
IPC-HF81200E	2.400.0000.7.R	H.264 MJPEG	1	4000x3000	2-way	2/1	Yes*	Yes	Yes	Yes*	
Note:	1. The bitrate of stream 1 in camera with highest resolution via MJPEG is higher than settings bitrate. (Camera performance limitation) 2. Audio codec via G.726 and AAC can not be used. (NUUO server limitation) 3. The list of Frame Rate is not synchronized with the one on camera web. (Camera Firmware issue)										
IPC-HFW3200C	2.212.0000.1.T, build : 2014-02-08	H.264 M-JPEG	1	1920x1080	1-way	2/1	-	Yes	Yes	Yes	



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Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Multi Stream Support	Remarks
Note:	1. The range of bitrate and framerate does not synchronous with the camera's website which may result in failure of stream parameter setting. 2. If enable MD and used MJPEG as stream codec which could result in video freeze then start play after few seconds. 3. There is big noise in audio with format PCM. 4. There is discontinuous audio with format G.711Mu and G.711A. 5. There is invalid mac address in UPnP search.										
IPC-HDB3101	Refer to IPC-HFW3101C (FW V2.103)	H264 MJPEG	1	1280x960	1-way*2	2/1	-	*2	*2	Yes	Supported by design
IPC-HDBW3101	Refer to IPC-HFW3101C (FW V2.103)	H264 MJPEG	1	1280x960	1-way*2	2/1	-	*2	*2	Yes	Supported by design
IPC-HDBW5121E-Z	Refer to IPC-HFW5421E-Z(V2.400.00 00.30.R.201 60604)	H.264 MJPEG	1	2688x1520	1-way	2/1	Yes	Yes	Yes	Yes*	Supported by design
IPC-HDBW5220E-Z	Refer to IPC-HFW5421E-Z(V2.400.00 00.30.R.201 60604)	H.264 MJPEG	1	2688x1520	1-way	2/1	Yes	Yes	Yes	Yes*	Supported by design
IPC-HDBW5221E-Z	Refer to IPC-HFW5421E-Z(V2.400.00 00.30.R.201 60604)	H.264 MJPEG	1	2688x1520	1-way	2/1	Yes	Yes	Yes	Yes*	Supported by design
IPC-HDBW5421E-Z	Refer to IPC-HFW5421E-Z(V2.400.00 00.30.R.201 60604)	H.264 MJPEG	1	2688x1520	1-way	2/1	Yes	Yes	Yes	Yes*	Supported by design
IPC-HF5121E-Z	Refer to IPC-HFW5421E-Z(V2.400.00 00.30.R.201 60604)	H.264 MJPEG	1	2688x1520	1-way	2/1	Yes	Yes	Yes	Yes*	Supported by design
IPC-HF5221E	Refer to IPC-HFW5421E-Z(V2.400.00 00.30.R.201 60604)	H.264 MJPEG	1	2688x1520	1-way	2/1	Yes	Yes	Yes	Yes*	Supported by design



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[illegible]



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Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Multi Stream Support	Remarks
SD32203S-HN	Refer to SD52C220S-HN(2.210.00 03.0.R.A.2017, build : 2014-11-12)	H.264 MJPEG	1	1920x1080	1-way	2/1	Yes	Yes	Yes	Yes	Supported by design
SD50220S-HN	Refer to SD52C220S-HN(2.210.00 03.0.R.A.2017, build : 2014-11-12)	H.264 MJPEG	1	1920x1080	1-way	2/1	Yes	Yes	Yes	Yes	Supported by design
SD50230S-HN	Refer to SD52C220S-HN(2.210.00 03.0.R.A.2017, build : 2014-11-12)	H.264 MJPEG	1	1920x1080	1-way	2/1	Yes	Yes	Yes	Yes	Supported by design
SD52C230S-HN	Refer to SD52C220S-HN(2.210.00 03.0.R.A.2017, build : 2014-11-12)	H.264 MJPEG	1	1920x1080	1-way	2/1	Yes	Yes	Yes	Yes	Supported by design
SD50120S-HN	Refer to SD52C220S-HN(2.210.00 03.0.R.A.2017, build : 2014-11-12)	H.264 MJPEG	1	1920x1080	1-way	2/1	Yes	Yes	Yes	Yes	Supported by design
SD52C120S-HN	Refer to SD52C220S-HN(2.210.00 03.0.R.A.2017, build : 2014-11-12)	H.264 MJPEG	1	1920x1080	1-way	2/1	Yes	Yes	Yes	Yes	Supported by design
SD40212S-HN	Refer to SD52C220S-HN(2.210.00 03.0.R.A.2017, build : 2014-11-12)	H.264 MJPEG	1	1920x1080	1-way	2/1	Yes	Yes	Yes	Yes	Supported by design



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Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Multi Stream Support	Remarks
SD42212S-HN	Refer to SD52C220S-HN(2.210.00 03.0.R.A.2017, build : 2014-11-12)	H.264 MJPEG	1	1920x1080	1-way	2/1	Yes	Yes	Yes	Yes	Supported by design
SD42C212S-HN	Refer to SD52C220S-HN(2.210.00 03.0.R.A.2017, build : 2014-11-12)	H.264 MJPEG	1	1920x1080	1-way	2/1	Yes	Yes	Yes	Yes	Supported by design
SD59212S-HN	Refer to SD52C220S-HN(2.210.00 03.0.R.A.2017, build : 2014-11-12)	H.264 MJPEG	1	1920x1080	1-way	2/1	Yes	Yes	Yes	Yes	Supported by design
SD59220S-HN	Refer to SD52C220S-HN(2.210.00 03.0.R.A.2017, build : 2014-11-12)	H.264 MJPEG	1	1920x1080	1-way	2/1	Yes	Yes	Yes	Yes	Supported by design
SD59230S-HN	Refer to SD52C220S-HN(2.210.00 03.0.R.A.2017, build : 2014-11-12)	H.264 MJPEG	1	1920x1080	1-way	2/1	Yes	Yes	Yes	Yes	Supported by design
SD59120S-HN	Refer to SD52C220S-HN(2.210.00 03.0.R.A.2017, build : 2014-11-12)	H.264 MJPEG	1	1920x1080	1-way	2/1	Yes	Yes	Yes	Yes	Supported by design
SD63220S-HN	Refer to SD52C220S-HN(2.210.00 03.0.R.A.2017, build : 2014-11-12)	H.264 MJPEG	1	1920x1080	1-way	2/1	Yes	Yes	Yes	Yes	Supported by design



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Yes*: multi stream setting support

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Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Multi Stream Support	Remarks
SD63230S-HN	Refer to SD52C220S-HN(2.210.00 03.0.R.A.2017, build : 2014-11-12)	H.264 MJPEG	1	1920x1080	1-way	2/1	Yes	Yes	Yes	Yes	Supported by design
SD63120S-HN	Refer to SD52C220S-HN(2.210.00 03.0.R.A.2017, build : 2014-11-12)	H.264 MJPEG	1	1920x1080	1-way	2/1	Yes	Yes	Yes	Yes	Supported by design
SD6C220S-HN	Refer to SD52C220S-HN(2.210.00 03.0.R.A.2017, build : 2014-11-12)	H.264 MJPEG	1	1920x1080	1-way	2/1	Yes	Yes	Yes	Yes	Supported by design
SD6C230S-HN	Refer to SD52C220S-HN(2.210.00 03.0.R.A.2017, build : 2014-11-12)	H.264 MJPEG	1	1920x1080	1-way	2/1	Yes	Yes	Yes	Yes	Supported by design
SD6C120S-HN	Refer to SD52C220S-HN(2.210.00 03.0.R.A.2017, build : 2014-11-12)	H.264 MJPEG	1	1920x1080	1-way	2/1	Yes	Yes	Yes	Yes	Supported by design
SD6C430UN-HN	2.420.0000.5 .R.301d.3N.N R, build : 2016-04-13	H.264 MJPEG	1	2592x1520	*2	*2	Yes*	Yes	*2	Yes	
SDZW2030S-HN	Refer to SD52C220S-HN(2.210.00 03.0.R.A.2017, build : 2014-11-12)	H.264 MJPEG	1	1920x1080	1-way	2/1	Yes	Yes	Yes	Yes	Supported by design
SD6366E-HN	2.213.0000.1 .R, build : 2013-12-27	H.264 M-JPEG	1	704x576	1-way	*2	Yes	Yes	*2	Yes	

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For multi stream support:

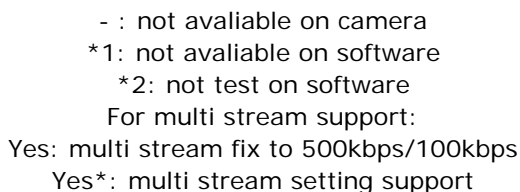
Yes: multi stream fix to 500kbps/100kbps

Yes*: multi stream setting support

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[illegible]



Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Multi Stream Support	Remarks
DCS-H_Series		H.264 M-JPEG	1	2592x1944	1-way	4/2	Yes	Yes	-	Yes	Supported by design
DCS-V_Series		H.264 MPEG4 M-JPEG	1	-	1-way	4/4	Yes	Yes	-	Yes	Supported by design
DCS-4721	VE1.0.22.2	MJPEG H.264	1	1920x1080	2-way	1/1	-	Yes	Yes	Yes	
Note:	1.FPS List does not sync. with camera web. (Camera firmware issue) 2.FPS value can not reach the setting FPS value under high video parameters. (Camera performance limitation)										
DCS-H30-51D/S	Refer to DCS-H50-21D/S(1.0.0x0)	H.264 MJPEG	1	1920x1080	1-way	1/1	Yes	Yes	Yes	Yes	Supported by design
DCS-H41-11D/SI	Refer to DCS-H50-21D/S(1.0.0x0)	H.264 MJPEG	1	1920x1080	1-way	1/1	Yes	Yes	Yes	Yes	Supported by design
DCS-H41-11D/SO	Refer to DCS-H50-21D/S(1.0.0x0)	H.264 MJPEG	1	1920x1080	1-way	1/1	Yes	Yes	Yes	Yes	Supported by design
DCS-H42-21D/SA	Refer to DCS-H50-21D/S(1.0.0x0)	H.264 MJPEG	1	1920x1080	1-way	1/1	Yes	Yes	Yes	Yes	Supported by design
DCS-H42-21D/SM	Refer to DCS-H50-21D/S(1.0.0x0)	H.264 MJPEG	1	1920x1080	1-way	1/1	Yes	Yes	Yes	Yes	Supported by design
DCS-H50-21D/S	1.0.0X0(20140307)	H.264 MJPEG	1	1920x1080	1-way	1/1	Yes	Yes	Yes	Yes	
DCS-H70-21D	2.0.9A5S2	H264 MJPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	Yes	
Note:	Which covered DCS-H70-21D/A and DCS-H70-21D/M										
DCS-H70-21D/M	2.0.9A5S2	H264 MJPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	Yes	
DCS-H70-21D/SA1	Refer to DCS-H50-21D/S(1.0.0x0)	H.264 MJPEG	1	1920x1080	1-way	1/1	Yes	Yes	Yes	Yes	Supported by design
DCS-H70-21D/SM1	Refer to DCS-H50-21D/S(1.0.0x0)	H.264 MJPEG	1	1920x1080	1-way	1/1	Yes	Yes	Yes	Yes	Supported by design
DCS-H70-22D	2.0.9A5S2	H264 MJPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	Yes	
DCS-N40M-81H3	VC1.0.10	H264 MJPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	Yes	
Note:	DCS-N40M-81H3: Not support TCP/UDP										
Note:	Firmware Issue: Not support Motion Detection; Bitrate List on web shows 3Mbps (the truly Bitrate value of camera could be 3Mbps or 2.5Mbps)										



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 *2: not test on software
 For multi stream support:
 Yes: multi stream fix to 500kbps/100kbps
 Yes*: multi stream setting support

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Multi Stream Support	Remarks
DCS-N20M-10H2	Refer to DCS-V70M-21H (v1.0.30)	H264 MJPEG	1	1600x1200	1-way	1/1	-	Yes	Yes	Yes	Supported by design
DCS-N30M-51H2	Refer to DCS-V70M-21H (v1.0.30)	H264 MJPEG	1	1600x1200	1-way	1/1	-	Yes	Yes	Yes	Supported by design
DCS-N31M-21H3	Refer to DCS-V70M-21H2 (VB1.0.29)	H264 MPEG4 MJPEG	1	1280x800	-	1/1	-	Yes	Yes	Yes	Supported by design
DCS-N40M-53H2	Refer to DCS-V70M-21H (v1.0.30)	H264 MJPEG	1	1600x1200	1-way	1/1	-	Yes	Yes	Yes	Supported by design
DCS-N62-40H2	V1.0.40	H264 MJPEG	1	720x480	1-way	1/1	Yes	-	Yes	Yes	
DCS-N70M-20H2	Refer to DCS-V70M-21H (v1.0.30)	H264 MJPEG	1	1600x1200	1-way	1/1	-	Yes	Yes	Yes	Supported by design
DCS-N70M-21H3	VB1.0.26	H264 MPEG4 MJPEG	1	1280x800	1-way	1/1	-	Yes	Yes	Yes	
DCS-N31M-21H3	Refer to DCS-N70M-81H3 (VC1.0.10)	H264 MPEG4 MJPEG	1	1280x800	1-way	1/1	-	Yes	Yes	Yes	Supported by design
DCS-N40M-22H3	Refer to DCS-N70M-81H3 (VC1.0.10)	H264 MPEG4 MJPEG	1	1280x800	1-way	1/1	-	Yes	Yes	Yes	Supported by design
DCS-N40M-22H3	Refer to DCS-V70M-21H2 (VB1.0.29)	H264 MPEG4 MJPEG	1	1280x800	-	1/1	-	Yes	Yes	Yes	Supported by design
DCS-N40M-32H2	Refer to DCS-V70M-21H (v1.0.30)	H264 MJPEG	1	1600x1200	1-way	1/1	-	Yes	Yes	Yes	Supported by design
DCS-N70M-21H3	Refer to DCS-V70M-21H2 (VB1.0.29)	H264 MPEG4 MJPEG	1	1280x800	-	1/1	-	Yes	Yes	Yes	Supported by design
DCS-V30M-50H	Refer to DCS-V70M-21H (v1.0.30)	H264 MJPEG	1	1600x1200	1-way	1/1	-	Yes	Yes	Yes	Supported by design
DCS-V30M-51H	Refer to DCS-V70M-21H (v1.0.30)	H264 MJPEG	1	1600x1200	1-way	1/1	-	Yes	Yes	Yes	Supported by design
DCS-V30M-51H2	Refer to DCS-N70M-81H3 (VC1.0.10)	H264 MPEG4 MJPEG	1	1280x800	1-way	1/1	-	Yes	Yes	Yes	Supported by design
DCS-V40M-12H	Refer to DCS-V70M-21H2 (VB1.0.29)	H264 MPEG4 MJPEG	1	1280x800	-	1/1	-	Yes	Yes	Yes	Supported by design



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 For multi stream support:
 Yes: multi stream fix to 500kbps/100kbps
 Yes*: multi stream setting support

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Multi Stream Support	Remarks
DCS-V40M-32H	Refer to DCS-V70M-21H (v1.0.30)	H264 MJPEG	1	1600x1200	1-way	1/1	-	Yes	Yes	Yes	Supported by design
DCS-V40M-32H2	Refer to DCS-V70M-21H2 (VB1.0.29)	H264 MPEG4 MJPEG	1	1280x800	-	1/1	-	Yes	Yes	Yes	Supported by design
DCS-V40M-33H	Refer to DCS-V70M-21H (v1.0.30)	H264 MJPEG	1	1600x1200	1-way	1/1	-	Yes	Yes	Yes	Supported by design
DCS-V70M-11H	Refer to DCS-V70M-21H2 (VB1.0.29)	H264 MPEG4 MJPEG	1	1280x800	-	1/1	-	Yes	Yes	Yes	Supported by design
DCS-V70M-20H	Refer to DCS-V70M-21H (v1.0.30)	H264 MJPEG	1	1600x1200	1-way	1/1	-	Yes	Yes	Yes	Supported by design
DCS-V70M-21H	v1.0.30	H264 MJPEG	1	1600x1200	1-way	1/1	-	Yes	Yes	Yes	
DCS-V70M-21H2	VB1.0.29	H264 MPEG4 MJPEG	1	1280x800	-	1/1	-	Yes	Yes	Yes	
DCS-V70M-50H	Refer to DCS-V70M-21H (v1.0.30)	H264 MJPEG	1	1600x1200	1-way	1/1	-	Yes	Yes	Yes	Supported by design
DCS-N70M-50H2	Refer to DCS-V70M-21H (v1.0.30)	H264 MJPEG	1	1600x1200	1-way	1/1	-	Yes	Yes	Yes	Supported by design



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For multi stream support:

Yes: multi stream fix to A4500kbps/100kbps

Yes*: multi stream setting support in Crystal

For PTZ:

Yes*: Joystick support to control PTZ speed in Crystal

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Multi Stream Support	Remarks
Generic	z120141215 NSZ	H.264 M-JPEG	1	2592x1944	1-way	4/2	Yes	Yes	-	Yes*	
Note:	Fisheye camera with manual calibration in Crystal Generic support model: W1-BA100, W2-BAZ40, W5-CDWK0, NH073, NH063 Parameter setting will fail when mutistream is allow and resolution higher than 1080p. PT function are not test on software. The maximum resolution is depends on camera. Camera (Z series) firmwave must be z120141215NSZ or above then can use generic model. Camera (W series) firmwave must be z120130417NSA or above then can use generic model. Camera (X series) firmwave must be z120141027NSA or above then can use generic model.										
na063	z120120523 NSA	H2.264	1	2592x1944	1-way	1/1	-	Yes	Yes	Yes	
Note:	1. Video parameter can't sync with camera web interface, need to refresh the browser 2. Talk quality is not clear 3. Camera doesn't tranport sufficient framerate when stream parameter set to high resolution & quality, and camera's resonse will become slowly.										
NA083	z120131016 NSA	H.264 M-JPEG	1	2592x1944	1-way	1/1	-	Yes	Yes	Yes	
Note:	1. M-JPEG on high resolution and quality may not get parameter. 2. Audio has some noise in high resolution.										
NH061-CCD	CCD-cameraFw-100205P	H.264 MPEG4 M-JPEG	1	1280x960	1-way	1/1	-	Yes	Yes	Yes	
Note:	Camera FW is not stable enough, so camera is likely disconnected after modifying parameters. Current workaround is turning off and on to reboot camera. Remove resolution 1280x720 in H.264 codec due to broken image problem. Known FW issue: audio may be broken in certain operation.										
NH221-CCD	CCD-cameraFw-100205P	H.264 MPEG4 M-JPEG	1	1280x960	1-way	1/1	-	Yes	Yes	Yes	
Note:	Remove resolution 1280x720 in H.264 codec due to broken image problem. The image is broken badly when configuring to the highest resolution, fps, and quality under H.264/MPEG4 with UDP protocol. Known FW issue: audio may be broken in certain operation.										
NH720-20N1	pm20120222 NSA	MJPEG/H 264	1	1920x1080	1-way	4/2	-	Yes	Yes	Yes	
NH720-20N8	Refer to NH820-20N8 (z120131126	MJPEG/H 264	1	1920x1080	1-way	4/2	Yes	Yes	Yes	Yes	
NH820-20N1	pm20120222 NSA	MJPEG/H 264	1	1920x1080	1-way	4/2	Yes	Yes	Yes	Yes	
NH820-20N8	z120131126 NSA	MJPEG/H 264	1	1920x1080	1-way	4/2	Yes	Yes	Yes	Yes	
nv053	pm20120222 NSA	MJPEG/H 264	1	1920x1080	1-way	1/1	Yes	Yes	Yes	Yes	
nv063	pm20120222 NSA	MJPEG/H 264	1	1920x1080	1-way	1/1	-	Yes	Yes	Yes	
nv103	pm20120222 NSA	MJPEG/H 264	1	1920x1080	1-way	1/1	-	Yes	Yes	Yes	

[illegible]



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For multi stream support:
 Yes: multi stream fix to 500kbps/100kbps
 Yes*: multi stream setting support

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Multi Stream Support	Remarks
GLC-1401	1.42	MPEG4 M-JPEG	1	720x576	1-way	1/0	Yes	Yes	Yes	-	Supported by design
GLC-1601	1.43	MPEG4 M-JPEG	1	720x576	1-way	1/0	Yes	Yes	Yes	-	
GLC-1602H	1.43	H.264 M-JPEG	1	720x576	1-way	1/0	Yes	Yes	Yes	-	
GLC-1610H		H.264 M-JPEG	1	720x480	1-way	1/1	Yes	Yes	Yes	Yes	Supported by design
GLC-1701/IR	1.45	MPEG4 M-JPEG	1	720x576	-	1/0	-	Yes	Yes	Yes	
GLD-1401	1.40	MPEG4 M-JPEG	1	720x576	-	1/0	-	Yes	Yes	-	
GLD-1501/IR	1.43	MPEG4 M-JPEG	1	720x576	1-way	1/0	Yes	Yes	Yes	-	
GLS-2101	1.45	MPEG4 M-JPEG	1	720x576	1-way	1/0	Yes	Yes	Yes	-	
GLS-2104	1.78	M-JPEG	4	704x272	1-way	-	Yes	Yes	Yes	Yes	
GLS-2301H	1.09	H.264 M-JPEG	1	720x480	1-way	-	-	Yes	Yes	Yes	
NLC-1401	v1.5.6	H.264 MPEG4	1	704x576	1-way	1/0	Yes	Yes	Yes	Yes	
NLD-1401	v1.5.6	H.264 MPEG4	1	704x576	1-way	1/0	-	Yes	Yes	Yes	
NLS-1401	v1.5.6	H.264 MPEG4	1	704x576	1-way	2/0	Yes	Yes	Yes	Yes	
NXC-1301M	v2.1.2	H.264	1	1280x720	-	2/0	-	Yes	Yes	Yes	
NXC-1302M	v2.1.2	H.264	1	1600x1200	-	2/0	-	Yes	Yes	Yes	
NXC-1401M	v2.1.2	H.264	1	1280x720	-	2/0	-	Yes	Yes	Yes	
NXC-1402M	v2.1.2	H.264	1	1600x1200	-	2/0	-	Yes	Yes	Yes	



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Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Multi Stream Support	Remarks
NXD-1301M	v2.1.2	H.264	1	1280x720	-	2/0	-	Yes	Yes	Yes	
NXD-1302M	v2.1.2	H.264	1	1600x1200	-	2/0	-	Yes	Yes	Yes	
NXD-1401M	v2.1.2	H.264	1	1280x720	-	2/0	-	Yes	Yes	Yes	
NXD-1402M	v2.1.2	H.264	1	1600x1200	-	2/0	-	Yes	Yes	Yes	
GXB-1710M-IR	refer to GXC-1710M	H.264 MPEG4 M-JPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	Yes	Supported by design
GXB-1720M-IR	Refer to GXC-1720M	H.264 MPEG4 M-JPEG	1	2048x1536	1-way	1/1	-	Yes	Yes	Yes	Supported by design
GXC-1605M	Refer to GXC-1606M-IR	H.264 MPEG4 M-JPEG	1	1280x1024	1-way	1/1	-	Yes	Yes	Yes	Supported by design
GXC-1606M-IR	2.03	H.264 MPEG4 M-JPEG	1	1280x1024	1-way	1/1	-	Yes	Yes	Yes	
GXC-1710M	2.11	H.264 MPEG4 M-JPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	Yes	
Note:	Audio is disabled currently for camera FW bug: NXC-1301M, NXC-1302M, NXC-1401M, NXC-1402M, NXD-1301M, NXD-1302M, NXD-1401M and NXD-1402M										
Note:	PTZ is only supported by external RS-485 device.										
GXC-1720M	1.05_Beta	H.264 MPEG4 M-JPEG	1	2048x1536	1-way	1/1	-	Yes	Yes	Yes	
GXD-1610M-IR	Refer to GXC-1606M-IR	H.264 MPEG4 M-JPEG	1	1280x1024	1-way	1/1	-	Yes	Yes	Yes	Supported by design
GXD-1710M-IR	refer to GXC-1710M	H.264 MPEG4 M-JPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	Yes	Supported by design
GXD-1720M-IR	Refer to GXC-1720M	H.264 MPEG4 M-JPEG	1	2048x1536	1-way	1/1	-	Yes	Yes	Yes	Supported by design
PXB-1080Z03	Refer to PXD-2080Z03IR (FW: 4.19-20-ds)	H264 MJPEG	1	1920x1080	1-way	1/1	-	Yes	-	Yes	Supported by design



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 Yes*: multi stream setting support

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Multi Stream Support	Remarks
PXB-2080MIR	Refer to PXD-2080Z03IR (FW: 4.19-20-ds)	H264 MJPEG	1	1920x1080	1-way	1/1	-	Yes	-	Yes	Supported by design
PXB-2080Z03	Refer to PXD-2080Z03IR (FW: 4.19-20-ds)	H264 MJPEG	1	1920x1080	1-way	1/1	-	Yes	-	Yes	Supported by design
PXB-2180Z03	Refer to PXD-2080Z03IR (FW: 4.19-20-ds)	H264 MJPEG	1	1920x1080	1-way	1/1	-	Yes	-	Yes	Supported by design
PXC-2080CS	Refer to PXD-2080Z03IR (FW: 4.19-20-ds)	H264 MJPEG	1	1920x1080	1-way	1/1	-	Yes	-	Yes	Supported by design
PXC-2080Z03	Refer to PXD-2080Z03IR (FW: 4.19-20-ds)	H264 MJPEG	1	1920x1080	1-way	1/1	-	Yes	-	Yes	Supported by design
PXD-1010F02	vr20121016NSA	H.264 M-JPEG	1	1920x1080	1-way	-	-	Yes	Yes	Yes	
PXD-1020F02	Refer to PXD-1020F02 (vr20121016NSA)	H.264 M-JPEG	1	1920x1080	1-way	-	-	Yes	Yes	Yes	Supported by design
Note:	Parameter setting will fail when Mjpeg quality bigger than 60										
PXD-2030PTZ1080	vr20140416NSA	H.264 MJPEG	1	1920x1080	*2	*2	Yes	*2	*2	Yes	
Note:	PXD-2030PTZ1080: High quality caused the fps lower.(Camera limitation issue)										
PXD-2080MIR	Refer to PXD-2080Z03IR (FW: 4.19-20-ds)	H264 MJPEG	1	1920x1080	1-way	1/1	-	Yes	-	Yes	Supported by design



* 1: not available on software

*2: not test on software

For multi stream support:

Multi stream fix to 500kbps/

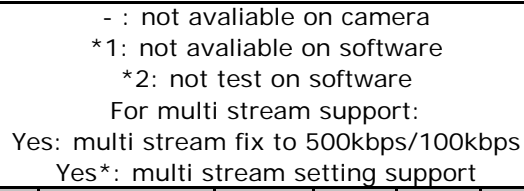
Yes*: multi stream setting support

[illegible]



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For multi stream support:
Yes: multi stream fix to 500kbps/100kbps
Yes*: multi stream setting support

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Multi Stream Support	Remarks
EV8180A	1.1.4 (build 003)	MJPEG, H264	1	1280x1024	1-way	1/1	Yes	Yes	Yes	Yes	
EV8180Q - XD	1.1.4 (build 003)	MJPEG, H264	1	2048x1536	1-way	1/1	Yes	Yes	Yes	Yes	
Note:	EV8180Q-XD and EV8180A 1. Under four profile mode only support resolution 640x480. (camera limitation) 2. MotionDetection only works on H.264. 3. It needs to reboot after changing HTTP port.										
EV8580A	Refer to EV8180A (1.1.4 (build 003))	MJPEG, H264	1	1280x1024	1-way	1/1	Yes	Yes	Yes	Yes	Supported by design
EV8581A	Refer to EV8180A (1.1.4 (build 003))	MJPEG, H264	1	1280x1024	1-way	1/1	Yes	Yes	Yes	Yes	Supported by design
EV8582U-BL	1.1.6 (build 003)	MJPEG, MPEG4, H264	1	1920x1080	1-way	-	-	Yes	Yes	Yes	
Note	1.Camera only support MD under H.264.										
EV8780A	Refer to EV8180A (1.1.4 (build 003))	MJPEG, H264	1	1280x1024	1-way	1/1	Yes	Yes	Yes	Yes	Supported by design
EV8781A	Refer to EV8180A (1.1.4 (build 003))	MJPEG, H264	1	1280x1024	1-way	1/1	Yes	Yes	Yes	Yes	Supported by design
EV8782A	Refer to EV8180A (1.1.4 (build 003))	MJPEG, H264	1	1280x1024	1-way	1/1	Yes	Yes	Yes	Yes	Supported by design
EV8782Q - BD	Refer to EV8180Q-(XD1.1.4 (build 003))	MJPEG, H264	1	2048x1536	1-way	1/1	Yes	Yes	Yes	Yes	Supported by design
N51A-ML	Refer to N71U-ML(FW 1.1.6 (build 003))	H264 MJPEG MPEG4	1	1920x1080	1-way	1/1	Yes	Yes	Yes	Yes	Supported by design
N50U-ML	Refer to N71U-ML(FW 1.1.6 (build 003))	H264 MJPEG MPEG4	1	1920x1080	1-way	1/1	Yes	Yes	Yes	Yes	Supported by design
N51U-ML	Refer to N71U-ML(FW 1.1.6 (build 003))	H264 MJPEG MPEG4	1	1920x1080	1-way	1/1	Yes	Yes	Yes	Yes	Supported by design

[illegible]



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*1: not available on software
*2: not test on software
For multi stream support:
Yes: multi stream fix to 500kbps/100kbps
Yes*: multi stream setting support

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	ONVIF Search	Multi Stream Support	Remarks
EAN3200	1.0.14	H.264 MJPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	Yes	-	
EAN800A	1.2.5	H.264 MPEG4 MJPEG	1	704x576	1-way	1/1	-	Yes	Yes	-	-	
EAN800AW	1.2.5	H.264 MPEG4 MJPEG	1	704x576	1-way	1/1	-	Yes	Yes	-	-	Supported by design
EAN850A	1.2.5	H.264 MPEG4 MJPEG	1	704x576	1-way	1/1	-	Yes	Yes	-	-	
EAN900	1.2.5	H.264 MPEG4 MJPEG	1	1280x1024	1-way	1/1	-	Yes	Yes	-	-	
Note:	Fix stream 1 as recording stream and fix stream 2 for mobile client used.											
EAN2150	CCD-cameraFw-100811P	MPEG4 M-JPEG H.264	1	1920x1080	1-way	1/1	-	Yes	Yes	-	Yes	
EAN2350	ev20111116 NSA	H.264, MJPEG	1	2048x1536	1-way	1/1	-	Yes	Yes	-	Yes	
EAN2218	ev 20111116NS A	H.264, MJPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	-	Yes	
EAN3120	V1.0.5	H.264, MJPEG	1	1280x1024	1-way	1/1	-	Yes	Yes	-	Yes	
EAN3220	V1.0.5	H.264, MJPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	-	Yes	
EAN3300	refer to EHN3340(1.2.4)	M-JPEG H.264	1	2048x1536	1-way	1/1	-	Yes	-	Yes	Yes	Supported by design
EDN1220	1.0.8	M-JPEG H.264	1	1920x1080	1-way	0/0	-	Yes	Yes	Yes	Yes	
Note:	1. Not support Mpeg4 2. can't switch CBR/VBR. 3. only support VBR.											
EDN1320	1.0.8	M-JPEG H.264	1	2048x1536	1-way	0/0	-	Yes	Yes	Yes	Yes	
Note:	1. Not support Mpeg4 2. can't switch CBR/VBR. 3. only support VBR.											
EDN2210	ev20121002 NSA	H.264, MJPEG	1	1920x1080	1-way	-	-	Yes	Yes	-	Yes	
EDN2245	ev201111028B NS	M-JPEG H.264	1	1920x1080	1-way	1/1	-	Yes	Yes	-	Yes	
EDN2260	1.3.0.d	H.264 MPEG4 MJPEG	1	1920x1080	1-way	-	-	-	Yes	Yes	Yes	
Note:	1. The value of H.264 quality isn't synchronized with camera's web											
EDN3240	1.0.14	H.264 MJPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	Yes	-	



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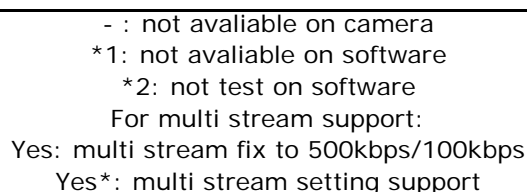
*2: not test on software

For multi stream support:

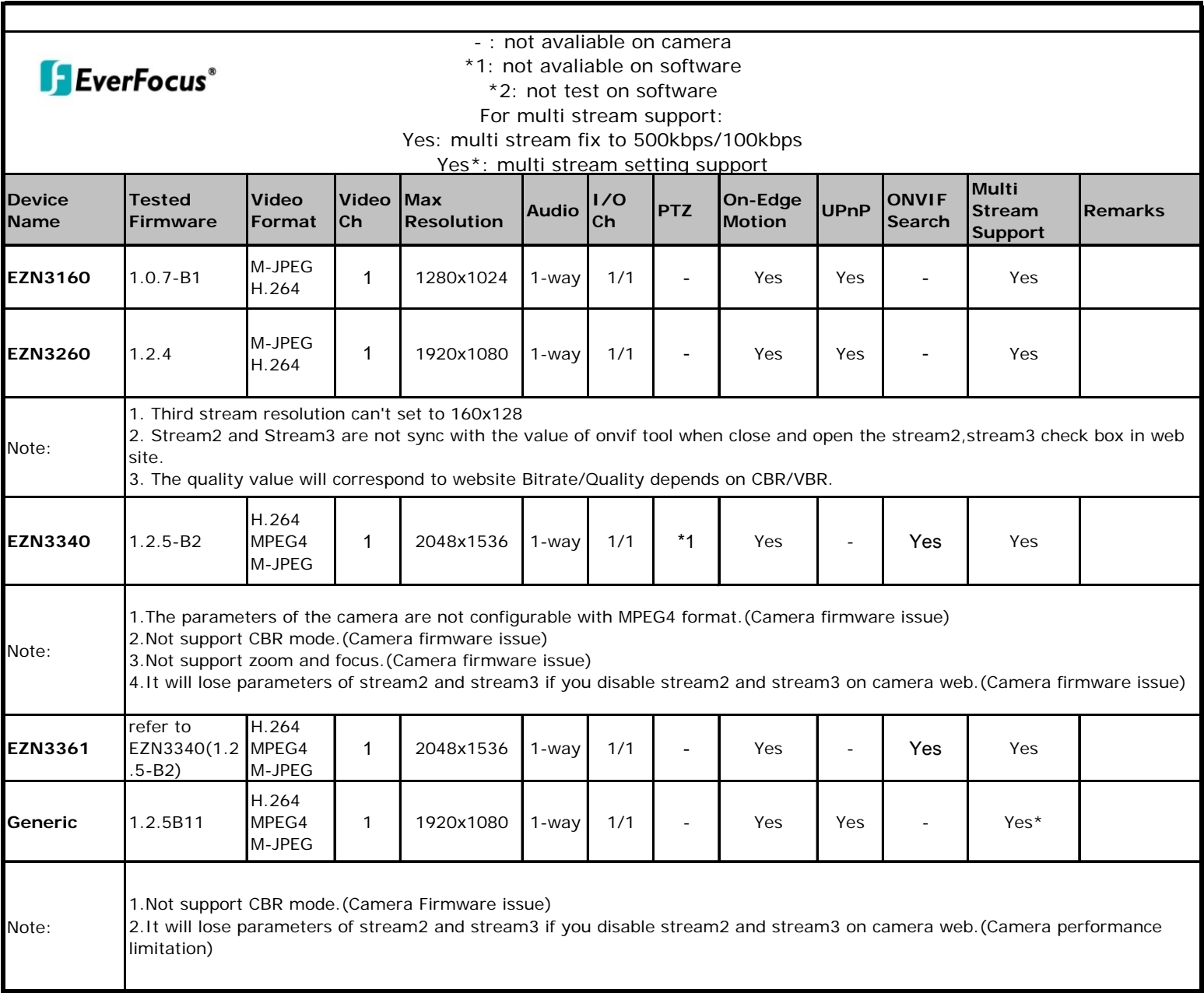
Yes: multi stream fix to 500kbps/100kbps

Yes*: multi stream setting support

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	ONVIF Search	Multi Stream Support	Remarks
EDN3160	1.0.18	M-JPEG H.264	1	1280x1024	1-way	1/1	-	Yes	Yes	Yes	Yes	
EDN3260	1.0.18	M-JPEG H.264	1	1920x1080	1-way	1/1	-	Yes	Yes	Yes	Yes	
EDN3340	refer to EHN3340(1.2.4)	M-JPEG H.264	1	2048x1536	1-way	1/1	-	Yes	-	Yes	Yes	Supported by design
EDN800	1.2.5	H.264 MPEG4 MJPEG	1	704x576	1-way	1/1	-	Yes	Yes	-	-	
EDN850H	1.2.5	H.264 MPEG4 MJPEG	1	704x576	1-way	1/1	-	Yes	Yes	-	-	
EHN3160	1.0.18	M-JPEG H.264	1	1280x1024	1-way	1/1	-	Yes	Yes	Yes	Yes	
EHN3200	1.0.14	H.264 MJPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	Yes	-	
EHN3260	1.2.5B2	H.264 MPEG4 M-JPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	Yes	Yes	
Note:	1. CBR mode is not supported. (Camera firmware limitation) 2. It will lose parameters of stream2 and stream3 if disable stream2 and stream3 on camera web. (Camera firmware limitation)											
EDN3260	1.0.18	M-JPEG H.264	1	1920x1080	1-way	1/1	-	Yes	Yes	Yes	-	
EHN3340	1.2.4	M-JPEG H.264	1	2048x1536	1-way	1/1	-	Yes	Yes	Yes	Yes	
Note:	1. Onvif test tool get "No MPEG4 support" but actually it support. (Camera firmware issue) 2. The audio in status can't synchornize to web client. (ONVIF limitation) 3. Cannot change the rate control mode. (ONVIF limitation) 4. Cannot get snapshot by CGI(404). (Camera firmware issue) 5. The brightness only change when the value is 50 (Camera firmware issue)											
EHN3361	refer to EZN3340(1.2.5-B2)	H.264 MPEG4 M-JPEG	1	2048x1536	1-way	1/1	-	Yes	-	Yes	Yes	Supported by design
EMN2220	0.8.7-B10	M-JPEG H.264	1	1920x1080	1-way	0/0	-	Yes	Yes	Yes	Yes	
Note:	1. can't switch CBR/VBR. 2. only support VBR.											
EMN2320	1.0.1	M-JPEG H.264	1	2048x1536	1-way	0/0	-	Yes	Yes	Yes	Yes	
Note:	EMN2320 no support 720x480, 704x480 and 640x480 resolution.											
EPN2218	ev20111116 NSA	M-JPEG H.264	1	1920x1080	1-way	4/2	Yes	Yes	Yes	-	Yes	
EPN3100	1.2.14	H.264 MPEG4 MJPEG	1	704x576	1-way	4/2	Yes	Yes	Yes	-	-	Supported by design
EPN3600	1.2.14	H.264 MPEG4 MJPEG	1	704x576	1-way	4/2	Yes	Yes	Yes	-	-	



Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	ONVIF Search	Multi Stream Support	Remarks
EPN4122	1.0.5	M-JPEG H.264	1	1280x960	1-way	2/2	Yes	Yes	Yes	Yes	Yes	
EPN4220	1.0.16	M-JPEG H.264	1	1920x1080	1-way	2/2	Yes	Yes	Yes	Yes	Yes	
Note:	1. The audio in status can't synchornize to web client. (ONVIF limitation) 2. Cannot change the rate control mode. (ONVIF limitation) 3. Cannot get snapshot by CGI(404). (Camera firmware issue)											
EPN4220P	refer to EPN4220(1.0.16)	M-JPEG H.264	1	1920x1080	1-way	2/2	Yes	Yes	-	Yes	Yes	Supported by design
EPN4230	refer to EPN4220(1.0.16)	M-JPEG H.264	1	1920x1080	1-way	2/2	Yes	Yes	-	Yes	Yes	Supported by design
EQN2200	1.0.27	H.264 MJPEG	1	1600x1200	1-way	1/1	-	Yes	Yes	Yes	-	Supported by design
EQN2201	1.0.27	H.264 MJPEG	1	1600x1200	1-way	1/1	-	Yes	Yes	Yes	-	Supported by design
ETN2110	v3.2.1.4	M-JPEG MPEG4 H.264	1	1280x1024	1-way	1/1	Yes	Yes	Yes	Yes	Yes	
Note:	ETN2110: Motion detection is not compatible with MPEG4 codec because of camera firmware issue.											
ETN2260	1.0.1_F1	H.264 MPEG4 M-JPEG	1	1920x1080	1-way	-	Yes	Yes	-	Yes	Yes	
Note:	1.Not support CBR mode.(Camera firmware issue) 2.The quality value can't be sync with camera web.(Camera firmware issue) 3.Not support zoom and focus.(Camera firmware issue) 4.The resolution of the snapshot always be 640x480.(Camera firmware issue) 5.The quality value can't be setup to 0, and the quality value can't be setup to 10 under MJPEG.(Camera firmware issue) 6.If there are duplicate name of preset point, the function of GoTo preset point and Clear All preset point will fail.(Camera firmware issue)											
EVS200A	1.2.8	H.264 MPEG4 MJPEG	2	704x576	1-way	2/2	Yes	Yes	Yes	-	-	
EVS200AW	1.2.8	H.264 MPEG4 MJPEG	2	704x576	1-way	2/2	Yes	Yes	Yes	-	-	Supported by design
Note:	EVS200A/EVS200AW: Fix stream 1 as recording stream and fix stream 2 for mobile client used. PTZ is only supported by external RS-485 device.											
EVS410	1.0.21	H.264 MJPEG	4	704x480	1-way	4/1	-	Yes	-	Yes	-	
Note:	1.MJPEG high resolution only can up to 10 fps. 2.Not support RS-485 ptz.											
EZN3240	1.0.14	H.264 MJPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	Yes	-	
EZN850	1.2.5	H.264 MPEG4 MJPEG	1	704x576	1-way	1/1	Yes	Yes	Yes	-	-	
Note:	PTZ: support focus only.											
Note:	Implement with ONVIF protocol v1.02: EAN3200, EDN3240, EHN3200, EQN2200, EQN2201, EVS410, EZN3240											
Note:	Due to the limitation of ONVIF protocol, ONVIF search works only as cameras keep default administrator name and password.											





- : not available on camera
*1: not available on software
*2: not test on software

For multi stream support:

Yes: multi stream fix to A4500kbps/100kbps

Yes*: multi stream setting support in Crystal

For PTZ:

Yes*: Joystick support to control PTZ speed in Crystal

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Camera Search Tool	Multi Stream Support	Remarks
ACM-PT500	2.03.16	H.264 MPEG4	1	2048x1536	1-way	2/1	Yes	Yes	Yes	-	Yes	
Note:	Camera is unable to achieve maximum FPS. (Camera performance limitation)											
ACM-R2001	1.02.09	H.264 MPEG4 M-JPEG	1	1920x1080	1-way	-	-	Yes	Yes	-	Yes	
Note:	Framerate may not enough about 2~8 fps due to camera issue.											
ACM-R3002	Refer to ACM- V3103(FW 2.03.23A)	H.264 MPEG4	1	2048x1536	1-way	1/1	*2	Yes	Yes	-	Yes*	Supported by design
Note:	1.Frame rate can't meet the requirements.(Camera performance limitation) 2.Not support zoom and focus.											
ACM-R3006	1.02.05T	H.264 MPEG4 M-JPEG	1	2048x1536	1-way	*2	*2	Yes	Yes	-	Yes	
ACM-V3001	1.02.09	H.264 MPEG4 M-JPEG	1	2048x1536	1-way	*2	-	Yes	Yes	-	Yes	
ACM-V3103	2.03.23A	H264 MPEG4	1	2048x1536	1-way	2/1	*2	Yes	Yes	-	Yes*	
Note:	1.Audio in can't be work.(Camera Firmware issue) 2.RS-485 can't be work.(Camera Firmware issue) 3.Alarm out can't be work.(Camera Firmware issue)											
ACM-V3002	Refer to ACM- V3103(FW 2.03.23A)	H264 MPEG4	1	2048x1536	1-way	2/1	*2	Yes	Yes	-	Yes*	Supported by design
Note:	1.Frame rate can't meet the requirements.(Camera performance limitation) 2.Not support zoom and focus.											
C3000/C3000-W	v3.2.2.3	H.264 MPEG4 M-JPEG	1	2048x1536	1-way	1/1	-	Yes	Yes	-	Yes	
CDB-3VM835	Refer to TCP- HDVB835(VJ 2.0.02_F)	H.264 MJPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	-	Yes*	Supported by design
CDB-4KM552	Refer to TCP- KM465(VK2. 0.11.0_F)	H.265 H.264 MJPEG	1	2592x1520	1-way	1/1	-	*2	Yes	-	Yes*	Supported by design
CDB-4KU852	Refer to TCP- 4KU808(VH2. 0.0.12_F)	H.264 MJPEG	1	3840x2160	1-way	1/1	-	Yes	Yes	-	Yes*	Supported by design
CDB-5KM551	Refer to CDV- 5KM501Z35(VK2.0.23.0)	H.265 H.264 MJPEG	1	2592x1944	1-way	1/1	Yes*	Yes	Yes	-	Yes*	Supported by design

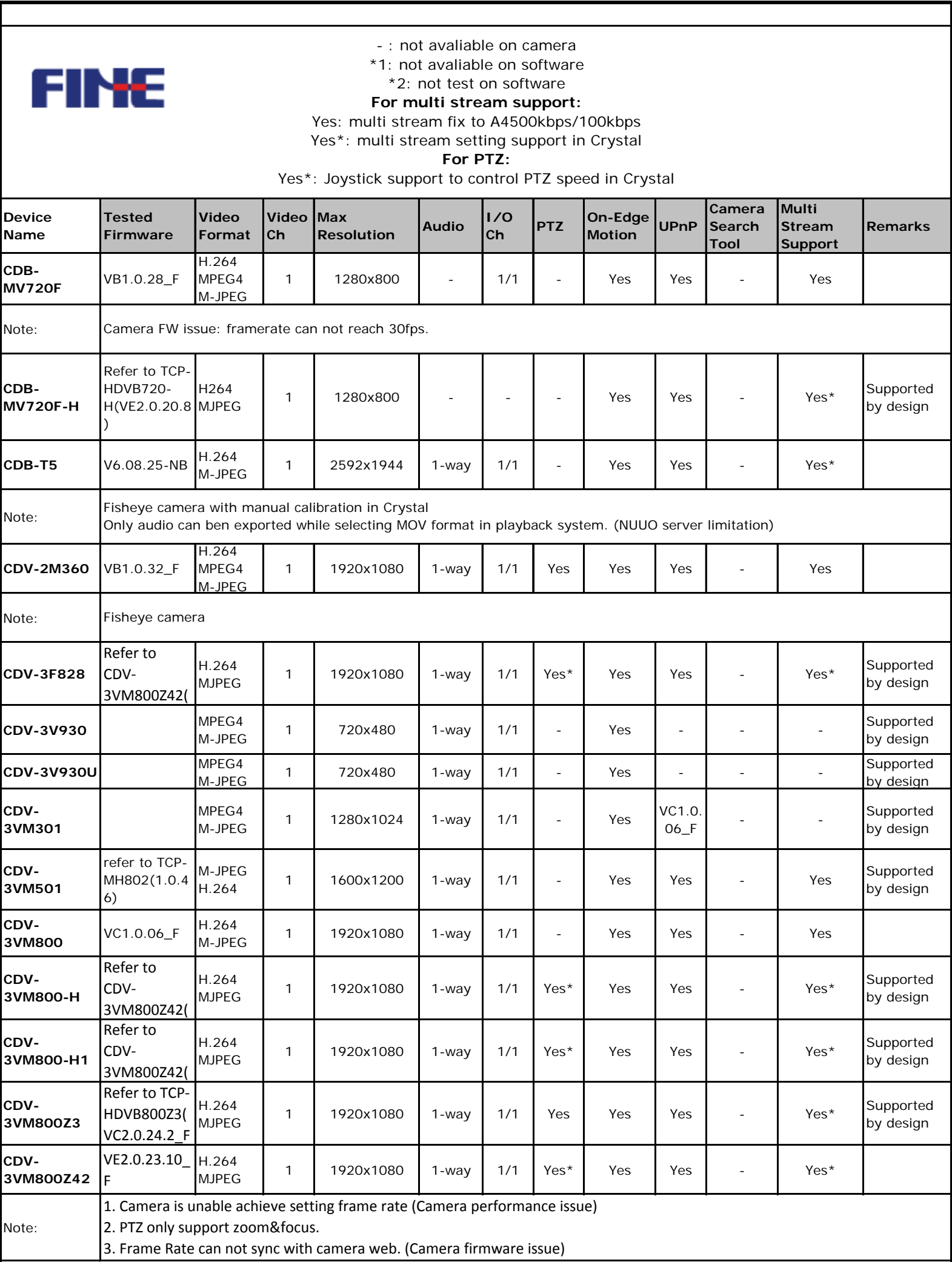


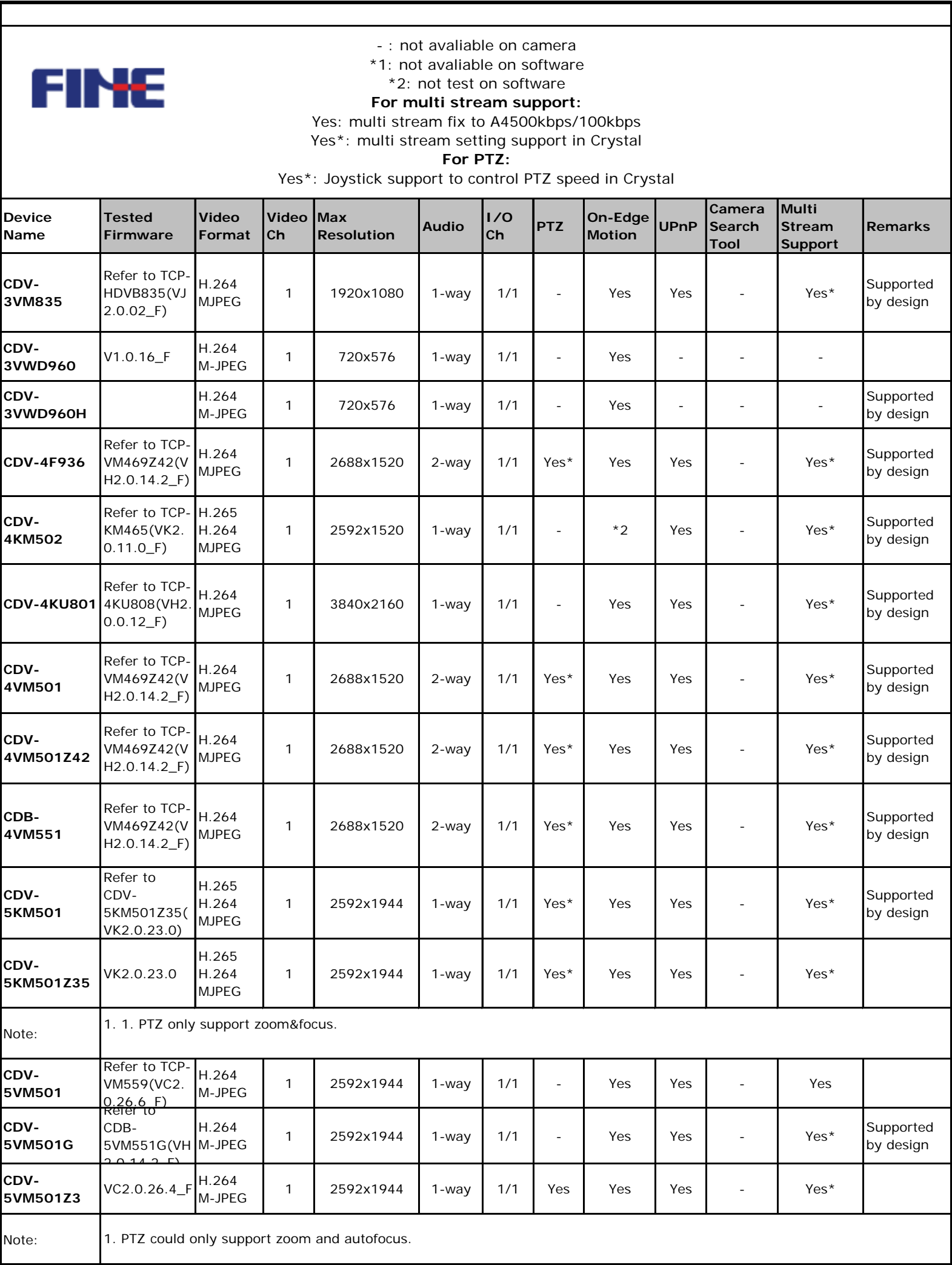
- : not available on camera
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For multi stream support:
Yes: multi stream fix to A4500kbps/100kbps
Yes*: multi stream setting support in Crystal

For PTZ:
Yes*: Joystick support to control PTZ speed in Crystal

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Camera Search Tool	Multi Stream Support	Remarks
CDB-5VM551	Refer to TCP-VM559(VC2.0.26.6_F)	H.264 M-JPEG	1	2592x1944	1-way	1/1	-	Yes	Yes	-	Yes	Supported by design
CDB-720F		H.264 MPEG4 M-JPEG	1	1280x800	1-way	1/1	-	Yes	*1	-	Yes	
CDB-720F/IR	V1.0.20_F	H.264 M-JPEG	1	1280x800	1-way	1/1	-	Yes	*1	-	Yes	
CDB-720V	VB1.0.26_F	H.264 MPEG4 M-JPEG	1	1280x800	1-way	1-1	-	Yes	Yes	-	Yes	
CDB-720VIR	VB1.0.26_F	H.264 MPEG4 M-JPEG	1	1280x800	1-way	1/1	-	Yes	*1	-	Yes	
CDB-720VIR-H	VE2.0.14.2_F	H.264 MJPEG	1	1280x800	1-way	1/1	-	Yes	Yes	-	Yes	
Note:	1. (Camera issue): FPS could not reach up to 20/30. 2. (Known issue): The info. of stream profile display failure											
CDB-HD280	Refer to CDV-3VM800Z42(	H.264 MJPEG	1	1920x1080	1-way	1/1	Yes*	Yes	Yes	-	Yes*	Supported by design
CDB-HFD720	Refer to TCP-HDVB720-H(VE2.0.20.8)	H264 MJPEG	1	1280x800	-	-	-	Yes	Yes	-	Yes*	Supported by design
CDB-HFD728	refer to CDB-720VIR-H(VE2.0.14.2_F)	H.264 MJPEG	1	1280x800	1-way	1/1	-	Yes	Yes	-	Yes	Supported by design
CDB-HFD828	Refer to CDV-3VM800Z42(	H.264 MJPEG	1	1920x1080	1-way	1/1	Yes*	Yes	Yes	-	Yes*	Supported by design
CDB-HFD828W	refer to TCP-HDVB800-H(VE2.0.16.8_F)	H.264 MJPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	-	Yes*	Supported by design
CDB-MD602	Refer to CDV-MD602(VG2.0.20_F)	H.264 M-JPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	-	Yes*	Supported by design
CDB-MD605	Refer to CDV-MD602(VG2.0.20_F)	H.264 M-JPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	-	Yes*	Supported by design
CDB-MV1080F	VB1.0.32_F	H.264 MPEG4 M-JPEG	1	1920x1080	-	1/1	-	Yes	Yes	-	Yes	
CDB-MV1080F-H	Refer to CDV-3VM800Z42(H.264 MJPEG	1	1920x1080	1-way	1/1	Yes*	Yes	Yes	-	Yes*	Supported by design







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Yes: multi stream fix to A4500kbps/100kbps
Yes*: multi stream setting support in Crystal

For PTZ:
Yes*: Joystick support to control PTZ speed in Crystal

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Camera Search Tool	Multi Stream Support	Remarks
CDV-5VM501Z42	Refer to TCP-VM559Z42(V C2.0.26.6)	H.264 MJPEG	1	2592x1944	1-way	1/1	Yes	Yes	Yes	-	Yes*	Supported by design
CDB-5VM551G	VH2.0.14.2_F	MJPEG H.264	1	2592x1944	1-way	1/1	-	Yes	Yes	-	Yes*	
Note:	1. Camera via MJPEG with high parameters is unable to achieve setting framerate. (Camera performance limitation) 2. Camera via H.264 is unable to achieve setting bitrate. (Camera performance limitation)											
CDV-DT5	V6.08.25-NB	H.264 M-JPEG	1	2592x1944	1-way	-	-	Yes	Yes	-	Yes	
Note:	Fisheye camera with manual calibration in Crystal 1.Camera is unable to achieve maximum FPS. (Camera performance limitation) 2.Main console Flip/mirror checkbox not sync with Web interface. (NUUO server limitation)											
CDV-DT910IR	A1D-500-V6.10.24-NB	H.264 M-JPEG	1	3648x2736	1-way	-	-	Yes	Yes	-	Yes*	
Note:	1.Camera with highest resolution(3648x2736) is unable to achieve the expected fps when the format is MPEG. (Camera Firmware issue)											
CDV-DT951R	Refer to CDV-DT5(V6.08.25-NB)	H.264 M-JPEG	1	2592x1944	1-way	-	-	Yes	Yes	-	Yes*	
CDV-MD602	VG2.0.20_F	H.264 MJPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	-	Yes*	
Note:	1. Bitrate list of stream 2 may not synchronice with camera web. (Camera firmware issue) 2. Framerate list won't synchronize with camera web when format is MJPEG. And it'll fail when framerate be changed to 20, 25 or 30. (Camera firmware issue) 3. If set the input resolution to 1080p HD 12bit 60fps (D-WDR) on camera webpage, stream 2, 3 will can not be connect and can not change parameters on our server. (Camera firmware issue)											
CDV-MD605	Refer to CDV-MD602(VG2.0.20_F)	H.264 M-JPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	-	Yes*	Supported by design
CDV-MFB2000D	2.03.17	H.264 MPEG4	1	1920x1080	1-way	1/1	-	Yes	Yes	-	Yes	
Note:	1. Camera is unable to achieve maximum FPS. (Camera performance limitation) 2. The info. of stream profile display failure. (NUUO server limitation)											
CDV-MV1080F-H	refer to TCP-HDVB800-H(VE2.0.16.8_F)	H.264 MJPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	-	Yes	Supported by design
CDV-P360	refer to TCP-MH802(1.0.46)	M-JPEG H.264	1	1600x1200	1-way	1/1	-	Yes	Yes	-	Yes	Supported by design
CDV-P360-5	VC2.0.26.4_F	H.264 M-JPEG	1	2592x1944	1-way	1/1	-	Yes	Yes	-	Yes*	
Note:	Fisheye camera with manual calibration in Crystal											
CDV-VM2008T	01_C021	H.264 H.265 M-JPEG	1	1920x1080	1-way	2/2	Yes*	Yes	Yes	-	Yes*	



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Yes*: multi stream setting support in Crystal

For PTZ:
Yes*: Joystick support to control PTZ speed in Crystal

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Camera Search Tool	Multi Stream Support	Remarks
Note:	1. Not support G.726 with 8K Hz and 16 bits per sample and AMR codec. (NUUO server limitation)											
EDH-02H	V1.0.20_F	H.264 M-JPEG	1	720x480	1-way	1/1	Yes	Yes	-	-	-	
EP-201		MPEG4 M-JPEG	1	720x480	1-way	0/0	Yes	Yes	-	-	-	Supported by design
EP-221		MPEG4 M-JPEG	1	720x480	1-way	1/0	Yes	Yes	-	-	-	Supported by design
EP-221DN		MPEG4 M-JPEG	1	720x480	1-way	0/0	Yes	Yes	-	-	-	Supported by design
EP-601		MPEG4 M-JPEG	1	720x480	1-way	0/0	Yes	Yes	-	-	-	Supported by design
EP-601HW		MPEG4 M-JPEG	1	720x480	1-way	0/0	Yes	Yes	-	-	-	
EP-908		MPEG4 M-JPEG	1	720x480	1-way	0/0	Yes	Yes	-	-	-	Supported by design
EP-908HW		MPEG4 M-JPEG	1	720x480	1-way	0/0	Yes	Yes	-	-	-	Supported by design
EP-936		MPEG4 M-JPEG	1	720x480	1-way	0/0	Yes	Yes	-	-	-	Supported by design
EP-936HW		MPEG4 M-JPEG	1	720x480	1-way	0/0	Yes	Yes	-	-	-	Supported by design
EP-HTQ935	V3.2.56_F	MPEG4 M-JPEG	1	720x480	-	0/0	Yes	Yes	-	-	-	
EP-Q2018H-IP		H.264 M-JPEG	1	720x480	1-way	0/0	Yes	Yes	-	-	-	Supported by design
EP-Q2018HW-IP	V1.0.8_F	H.264 M-JPEG	1	720x480	1-way	0/0	Yes	Yes	-	-	-	
EP-Q2026H-IP		H.264 M-JPEG	1	720x480	1-way	0/0	Yes	Yes	-	-	-	Supported by design
EP-Q2026HW-IP		H.264 M-JPEG	1	720x480	1-way	0/0	Yes	Yes	-	-	-	Supported by design
EP-Q2036H-IP		H.264 M-JPEG	1	720x480	1-way	0/0	Yes	Yes	-	-	-	Supported by design
EP-Q2036HW-IP	V1.0.46_F	H.264 M-JPEG	1	720x576	*2	*2	Yes	Yes	*2	-	Yes	
MD-D1200		MPEG4 M-JPEG	1	720x480	1-way	1/1	Yes	Yes	-	-	-	Supported by design
MD-D1322	V1.0.23.09_F	H.264 M-JPEG	1	1280x1024	1-way	2/1	*1	Yes	Yes	-	Yes	
MD-D1612	V1.0.16_F	H.264 M-JPEG	1	720x576	1-way	1/1	Yes	Yes	-	-	-	



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Yes: multi stream fix to A4500kbps/100kbps
Yes*: multi stream setting support in Crystal

For PTZ:
Yes*: Joystick support to control PTZ speed in Crystal

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Camera Search Tool	Multi Stream Support	Remarks
MD-D3622Q-H	VD1.0.12_04_F	H.264 MPEG4 M-JPEG	1	1280x1024	1-way	1/1	Yes	Yes	Yes	-	Yes	
SP-HK3033Q-IP	Refer to SP-HK3036R-IP(NVSS-V8.1.1.20150921)	H.264 MJPEG	1	2048x1536	1-way	8/2	Yes*	Yes	Yes	-	Yes*	Supported by design
SP-HK3033Q-AIP	Refer to SP-HK3036R-IP(NVSS-V8.1.1.20150921)	H.264 MJPEG	1	2048x1536	1-way	8/2	Yes*	Yes	Yes	-	Yes*	Supported by design
SP-HK3036Q-IP	Refer to SP-HK3036R-IP(NVSS-V8.1.1.20150921)	H.264 MJPEG	1	2048x1536	1-way	8/2	Yes*	Yes	Yes	-	Yes*	Supported by design
SP-HK3036R-AIP	Refer to SP-HK3036R-IP(NVSS-V8.1.1.20150921)	H.264 MJPEG	1	2048x1536	1-way	8/2	Yes*	Yes	Yes	-	Yes*	Supported by design
SP-HK3036R-IP	NVSS-V8.1.1.20150921	H.264 MJPEG	1	2048x1536	1-way	8/2	Yes*	Yes	Yes	-	Yes*	
Note:	1. Focus works fail. (Camera firmware issue) 2. DI and DO works abnormally. (Camera firmware issue) 3. Sometimes won't show DI button. (Camera firmware issue) 4. Frame Rate, Resolution and Quality can not sync with camera web. (Camera firmware issue) 5. The snapshot function works fail. (Camera firmware issue) 6. Configuration of video parameter may not be available in the particular circumstance. (Camera firmware issue) 7. Talk function can not be used. (Camera firmware issue) 8. Camera with highest quality and resolution is unable to achieve 25 fps. (Camera performance limitation) 9. Audio function works abnormally under G.711, AAC, PCM. (NUUO server limitation) 10. Not support AutoPan. (NUUO server limitation)											
SP-HK3303R-IP	Refer to SP-HK3036R-IP(NVSS-V8.1.1.20150921)	H.264 MJPEG	1	2048x1536	1-way	8/2	Yes*	Yes	Yes	-	Yes*	Supported by design
SP-HK6333R-AIP	Refer to SP-HK3036R-IP(NVSS-V8.1.1.20150921)	H.264 MJPEG	1	2048x1536	1-way	8/2	Yes*	Yes	Yes	-	Yes*	Supported by design
SP-HK6340R-AIP	Refer to SP-HK3036R-IP(NVSS-V8.1.1.20150921)	H.264 MJPEG	1	2048x1536	1-way	8/2	Yes*	Yes	Yes	-	Yes*	Supported by design



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For multi stream support:

Yes: multi stream fix to A4500kbps/100kbps
Yes*: multi stream setting support in Crystal

For PTZ:

Yes*: Joystick support to control PTZ speed in Crystal

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Camera Search Tool	Multi Stream Support	Remarks
SP-HP2013C-IP	onvif_v2.4.2_20150327	M-JPEG H.264	1	1280x960	1-way	1/1	Yes*	Yes	-	Yes	Yes*	
Note:	1. DI & DO can't be used. (Camera Firmware issue) 2. Bitrate list and quality list may not be synchronized with camera web. (Onvif limitation) 3. 704x288 is not shown in the resolution list of the second stream. (Camera Firmware issue) 4. Auto focus is not supported. (Camera performance limitation) [IP+]5. Video parameter setting does not synchronize to camera web. (Camera Firmware issue) [NAS]6. Focus and PTZ speed setting are not supported. (NUUO server limitation) [NAS]7. The image of snapshot doesn't update via Snapshot to FTP function.(Camera Firmware issue)											
SP-HP2020C-IP	onvif_v2.4.0_20141027	M-JPEG H.264	1	1920x1080	1-way	1/1	Yes*	Yes	-	Yes	Yes*	
Note:	1. DI does not function. (Camera Firmware issue) 2. DO is unable to turn off. (Camera Firmware issue) 3. Bitrate list and quality list may not be synchronized with camera web. (Onvif limitation) 4. 704x288 is not shown in the resolution list of the second stream. (Camera Firmware issue) 5. Flip and mirror are not supported. (Onvif limitation) 6. Auto pan is not supported. (Onvif limitation) 7. Auto focus is not supported. (Camera performance limitation) 8. Hue setting is not supported. (Onvif limitation) 9. Video parameter setting does not synchronize to camera web. (Camera Firmware issue) [NAS] 10. Focus and PTZ speed setting are not supported. (NUUO server limitation)											
SP-HP2020CM-IP	Refer to SP-HP2020C-IP(onvif_v2.4.0_20141027)	M-JPEG H.264	1	1920x1080	1-way	1/1	Yes*	Yes	-	Yes	Yes*	Supported by design
SP-HP2020Q-IP	Refer to SP-HP2020C-IP(onvif_v2.4.0_20141027)	M-JPEG H.264	1	1920x1080	1-way	1/1	Yes*	Yes	-	Yes	Yes*	Supported by design
SP-HP2030Q-IP	Refer to SP-HP2020C-IP(onvif_v2.4.0_20141027)	M-JPEG H.264	1	1920x1080	1-way	1/1	Yes*	Yes	-	Yes	Yes*	Supported by design
SP-HP2030C-IP	refer to SP-HP2330Q-IP(v2.3.1)	M-JPEG H.264	1	1920x1080	1-way	4/2	Yes	Yes	Yes	-	Yes	Supported by design
SP-HP2030CM-IP	Refer to SP-HP2020C-IP(onvif_v2.4.0_20141027)	M-JPEG H.264	1	1920x1080	1-way	1/1	Yes*	Yes	Yes	Yes	Yes*	Supported by design
SP-HP2030SR-IP	onvif_v2.5.0	M-JPEG H.264	1	1920x1080	1-way	8/2	Yes*	Yes	Yes	-	Yes*	



- : not available on camera
*1: not available on software
*2: not test on software

For multi stream support:

Yes: multi stream fix to A4500kbps/100kbps

Yes*: multi stream setting support in Crystal

For PTZ:

Yes*: Joystick support to control PTZ speed in Crystal

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Camera Search Tool	Multi Stream Support	Remarks
Note:	1. Audio via G.711 is abnormal. (Camera Firmware issue) 2. Bit rate list and frame rate list do not synchronize with camera web. (Camera Firmware issue) 3. Camera with highest quality and resolution is unable to achieve settings' frame rate. (Camera performance limitation) 4. Not support TALK. (Camera Firmware issue) 5. If video format is changed from camera web, video should be manually reconnected on server to avoid video showed black screen. (Camera Firmware issue) 6. Auto focus and focus near/far are not supported on linux-based NVR. (NUUO server limitation) 7. Snapshot will get the error image. (Camera Firmware issue) 8. If preset name include number and the number smaller than 0 or bigger than 255, it will set failed. (Camera Firmware issue)											
SP-HP2040SR-IP	Refer to SP-HP2030SR-IP (onvif_v2.5.0)	M-JPEG H.264	1	1920x1080	1-way	8/2	Yes*	Yes	Yes	-	Yes*	Supported by design
SP-HP2313C-IP	Refer to SP-HP2013C-IP(onvif_v2.4.2_20150327)	M-JPEG H.264	1	1280x960	1-way	1/1	Yes*	Yes	-	Yes	Yes*	Supported by design
SP-HP2320C-IP	Refer to SP-HP2020C-IP(onvif_v2.4.0_20141027)	M-JPEG H.264	1	1920x1080	1-way	1/1	Yes*	Yes	-	Yes	Yes*	Supported by design
SP-HP2330C-IP	Refer to SP-HP2020C-IP(onvif_v2.4.0_20141027)	M-JPEG H.264	1	1920x1080	1-way	1/1	Yes*	Yes	-	Yes	Yes*	Supported by design
SP-HP2330Q-IP	Refer to SP-HP2020C-IP(onvif_v2.4.0_20141027)	M-JPEG H.264	1	1920x1080	1-way	1/1	Yes*	Yes	-	Yes	Yes*	Supported by design
SP-HP2336Q-IP	Refer to SP-HP2020C-IP(onvif_v2.4.0_20141027)	M-JPEG H.264	1	1920x1080	1-way	1/1	Yes*	Yes	-	Yes	Yes*	Supported by design
SP-HP2530AR-IP	NVSS_V8.0.5.20150609	H.264 MJPEG	1	1920x1080	1-way	8/2	Yes*	Yes	Yes	-	Yes*	
SP-HP2620CP-IP	Refer to SP-HP2020C-IP(onvif_v2.4.0_20141027)	M-JPEG H.264	1	1920x1080	1-way	1/1	Yes*	Yes	-	Yes	Yes*	Supported by design
SP-HP4833-IP	A1D-500-V6.09.44-NB	M-JPEG H.264	1	2688x1520	1-way	4/2	Yes*	Yes	Yes	-	Yes*	
Note:	1.The camera with resolution 1920x1080 is unable to achieve 30 fps. (Camera performance limitation)											
SP-PTIR736A-IP	Refer to EP-Q2036HW-IP(V1.0.46_F)	H.264 M-JPEG	1	720x576	*2	*2	Yes	Yes	*2	-	Yes	Supported by design
SP-PTIR736B-IP	Refer to EP-Q2036HW-IP(V1.0.46_F)	H.264 M-JPEG	1	720x576	*2	*2	Yes	Yes	*2	-	Yes	Supported by design
SP-PTIR737-IP	V1.0.16_F	H.264 M-JPEG	1	720x576	1-way	0/0	Yes	Yes	-	-	-	



- : not available on camera
*1: not available on software
*2: not test on software

For multi stream support:

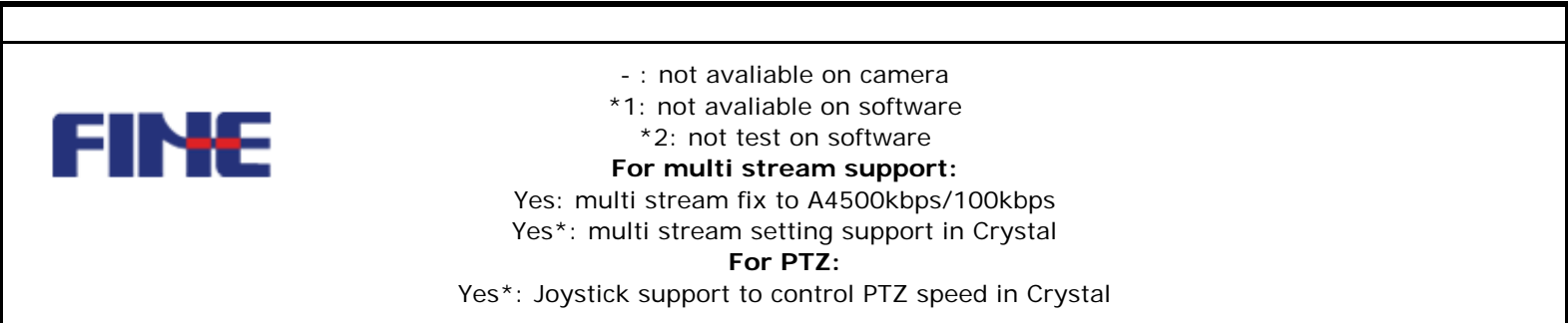
Yes: multi stream fix to A4500kbps/100kbps

Yes*: multi stream setting support in Crystal

For PTZ:

Yes*: Joystick support to control PTZ speed in Crystal

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Camera Search Tool	Multi Stream Support	Remarks
SP-PYIR737-LA-IP		H.264 M-JPEG	1	720x480	1-way	-	Yes	Yes	-	-	-	Supported by design
TCMA-99		MPEG4 M-JPEG	1	1280x1024	1-way	1/1	-	Yes	-	-	-	Supported by design
TCMP-99		MPEG4 M-JPEG	1	640x480	1-way	1/1	-	Yes	-	-	-	Supported by design
TCP-336AM	VB1.0.40_F	H.264 MPEG4 M-JPEG	1	2032x1536	1-way	1/1	-	Yes	Yes	-	Yes	
Note:	When format is set to MPEG4, resolution is 1920*180 and quality is excellent, the maximum FPS can only reach 20.											
TCP-1200AV	V1.0.26_F	H.264 M-JPEG	1	640x480	1-way	-	-	Yes	-	-	-	
TCP-1300AM	V1.0.26_F	H.264 M-JPEG	1	1280x1024	1-way	-	-	Yes	-	-	-	
TCP-2200AM	V1.0.30_F	H.264 MJPEG	1	1600x1200	1-way	-	-	-	Yes	-	Yes	
TCP-2200AM-H	Refer to CDV-3VM800Z42(	H.264 MJPEG	1	1920x1080	1-way	1/1	Yes*	Yes	Yes	-	Yes*	Supported by design
TCP-2700AM	refer to CDB-720VIR-H(VE1.0.12.2_F)	H.264 MJPEG	1	1280x800	1-way	1/1	-	Yes	Yes	-	Yes	Supported by design
TCP-2700AM-W	refer to CDB-720VIR-H(VE2.0.14.4	H.264 MJPEG	1	1280x800	1-way	1/1	-	Yes	Yes	-	Yes	Supported by design
TCP-2800AM	Refer to CDV-3VM800Z42(	H.264 MJPEG	1	1920x1080	1-way	1/1	Yes*	Yes	Yes	-	Yes*	Supported by design
TCP-4KU808	VH2.0.0.12_F	H.264 MJPEG	1	3840x2160	1-way	1/1	-	Yes	Yes	-	Yes*	
Note:	1. Camera can not achieve setting frame rate when resolution is 3840x2160. (Camera performance limitation)											
TCP-670DNU		MPEG4 M-JPEG	1	720x480	1-way	2/2	-	Yes	-	-	-	Supported by design
TCP-680DNU		MPEG4 M-JPEG	1	720x480	1-way	2/2	-	Yes	-	-	-	Supported by design
TCP-690		MPEG4 M-JPEG	1	720x480	1-way	2/2	-	Yes	-	-	-	Supported by design
TCP-690DN		MPEG4 M-JPEG	1	720x480	1-way	2/2	-	Yes	-	-	-	Supported by design
TCP-690U	V3.2.60_F	MPEG4 M-JPEG	1	720x480	1-way	2/2	-	Yes	-	-	-	
TCP-B365K	Refer to CDV-3VM800Z42(VE2.0.23.10	H.264 MJPEG	1	1920x1080	1-way	1/1	Yes*	Yes	Yes	-	Yes*	Supported by design
TCP-BF108	Refer to TCP-HDVB720-H(VE2.0.20.8)	H264 MJPEG	1	1280x800	-	-	-	Yes	Yes	-	Yes*	Supported by design





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*2: not test on software

For multi stream support:
Yes: multi stream fix to A4500kbps/100kbps
Yes*: multi stream setting support in Crystal

For PTZ:
Yes*: Joystick support to control PTZ speed in Crystal

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Camera Search Tool	Multi Stream Support	Remarks
TCP-HDVB800Z42	Refer to CDV-3VM800Z42(	H.264 MJPEG	1	1920x1080	1-way	1/1	Yes*	Yes	Yes	-	Yes*	Supported by design
TCP-HDVB801		H.264 MPEG4 M-JPEG	1	1920x1080	1-way	1/1	-	-	Yes	-	Yes	
TCP-HDVB835	VJ2.0.02_F	H.264 MJPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	-	Yes*	
Note:	1. Can not set resolution to 480x360. (Camera Firmware issue) 2. If audio codec is changed from camera web, video should be manually reconnected on server to avoid abnormal audio. (Camera Firmware issue)											
TCP-HFB720	VB1.0.28_F	H.264 MPEG4 M-JPEG	1	1280x800	-	1/1	-	Yes	Yes	-	Yes	
TCP-HFB720-H	Refer to TCP-HDVB720-	H264 MJPEG	1	1280x800	-	-	-	Yes	Yes	-	Yes*	Supported by design
TCP-HFB1080D	2.03.10	H.264 MPEG4	1	1920x1080	-	-	-	Yes	*1	-	Yes	
Note:	1.The response of camera setting is slow.											
TCP-HP1080	VC1.0.06_F	H.264 M-JPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	-	Yes	
TCP-HP1080-H	Refer to CDV-3VM800Z42(VE2.0.23.10)	H.264 MJPEG	1	1920x1080	1-way	1/1	Yes*	Yes	Yes	-	Yes*	Supported by design
TCP-HP1080WI		H.264 MPEG4 M-JPEG	1	1920x1080	1-way	1/1	-	-	*1	-	Yes	
TCP-HP930		MPEG4 M-JPEG	1	720x480	1-way	2/2	-	Yes	-	-	-	Supported by design
TCP-HP930U		MPEG4 M-JPEG	1	720x480	1-way	2/2	-	Yes	-	-	-	Supported by design
TCP-HVB3100D	Refer to ACM-V3103(FW 2.03.23A)	H264 MPEG4	1	2048x1536	1-way	2/1	*2	Yes	Yes	-	Yes*	Supported by design
Note:	1.Frame rate can't meet the requirements.(Camera performance limitation) 2.Not support zoom and focus.											
TCP-HVB3105D	Refer to ACM-	H264 MPEG4	1	2048x1536	1-way	1/1	*2	Yes	Yes	-	Yes*	Supported by design



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*2: not test on software

For multi stream support:
Yes: multi stream fix to A4500kbps/100kbps
Yes*: multi stream setting support in Crystal

For PTZ:
Yes*: Joystick support to control PTZ speed in Crystal

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Camera Search Tool	Multi Stream Support	Remarks
Note:	1.Frame rate can't meet the requirements.(Camera performance limitation)											
TCP-IPWD690		MPEG4 M-JPEG	1	720x480	1-way	2/2	-	Yes	-	-	-	Supported by design
TCP-IPWD700DN	V1.0.16_F	H.264 M-JPEG	1	720x576	1-way	1/1	-	Yes	-	-	-	
TCP-IR590-WD30	V1.0.20_F	H.264 M-JPEG	1	720x576	1-way	1/1	-	Yes	-	-	-	
TCP-IR590-WD50		H.264 M-JPEG	1	720x576	1-way	1/1	-	Yes	-	-	-	Supported by design
TCP-IRH5030C	refer to TCP-MH802(1.0.46)	M-JPEG H.264	1	1600x1200	1-way	1/1	-	Yes	Yes	-	Yes	Supported by design
TCP-IRH5040C	refer to TCP-MH802(1.0.46)	M-JPEG H.264	1	1600x1200	1-way	1/1	-	Yes	Yes	-	Yes	Supported by design
TCP-IRH5080-50	Refer to CDV-3VM800Z42(	H.264 MJPEG	1	1920x1080	1-way	1/1	Yes*	Yes	Yes	-	Yes*	Supported by design
TCP-IRH5080W-50	Refer to TCP-IRH5080-70(VC2.0.26.	H.264 M-JPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	-	Yes*	Supported by design
TCP-IRH5080-70	Refer to CDV-3VM800Z42(	H.264 MJPEG	1	1920x1080	1-way	1/1	Yes*	Yes	Yes	-	Yes*	Supported by design
TCP-IRH5080W-70	Refer to TCP-IRH5080-70(VC2.0.26.	H.264 M-JPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	-	Yes*	Supported by design
TCP-IRV540		MPEG4 M-JPEG	1	720x480	1-way	0/0	-	Yes	-	-	-	Supported by design
TCP-IRV560		MPEG4 M-JPEG	1	720x480	1-way	1/1	-	Yes	-	-	-	Supported by design
TCP-KM465	VK2.0.11.0_F	H.265 H.264 MJPEG	1	2592x1520	1-way	1/1	-	*2	Yes	-	Yes*	
TCP-KM559	Refer to CDV-5KM501Z35(VK2.0.23.0)	H.265 H.264 MJPEG	1	2592x1944	1-way	1/1	Yes*	Yes	Yes	-	Yes*	Supported by design
TCP-KM559Z35	Refer to CDV-5KM501Z35(VK2.0.23.0)	H.265 H.264 MJPEG	1	2592x1944	1-way	1/1	Yes*	Yes	Yes	-	Yes*	Supported by design

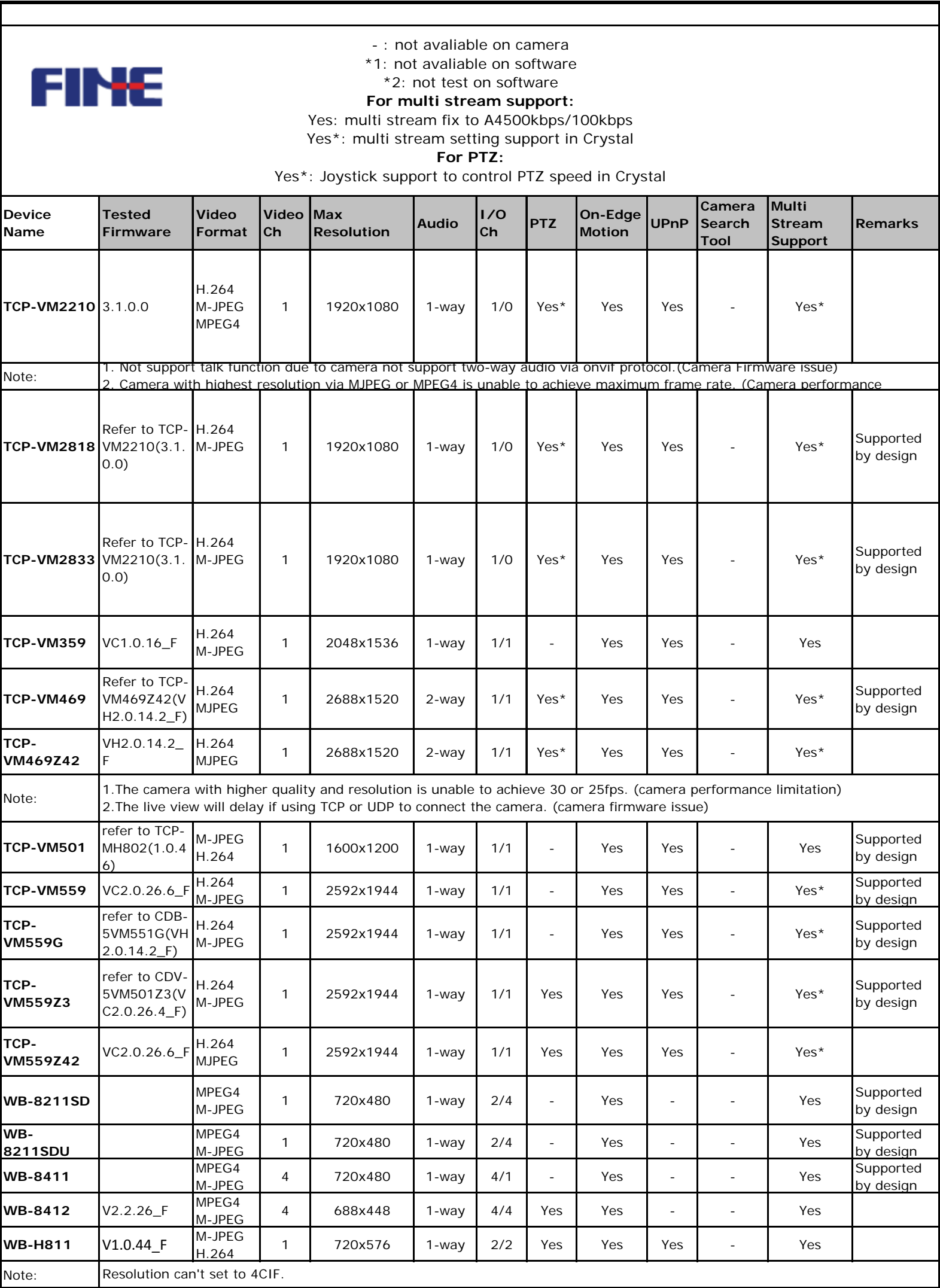


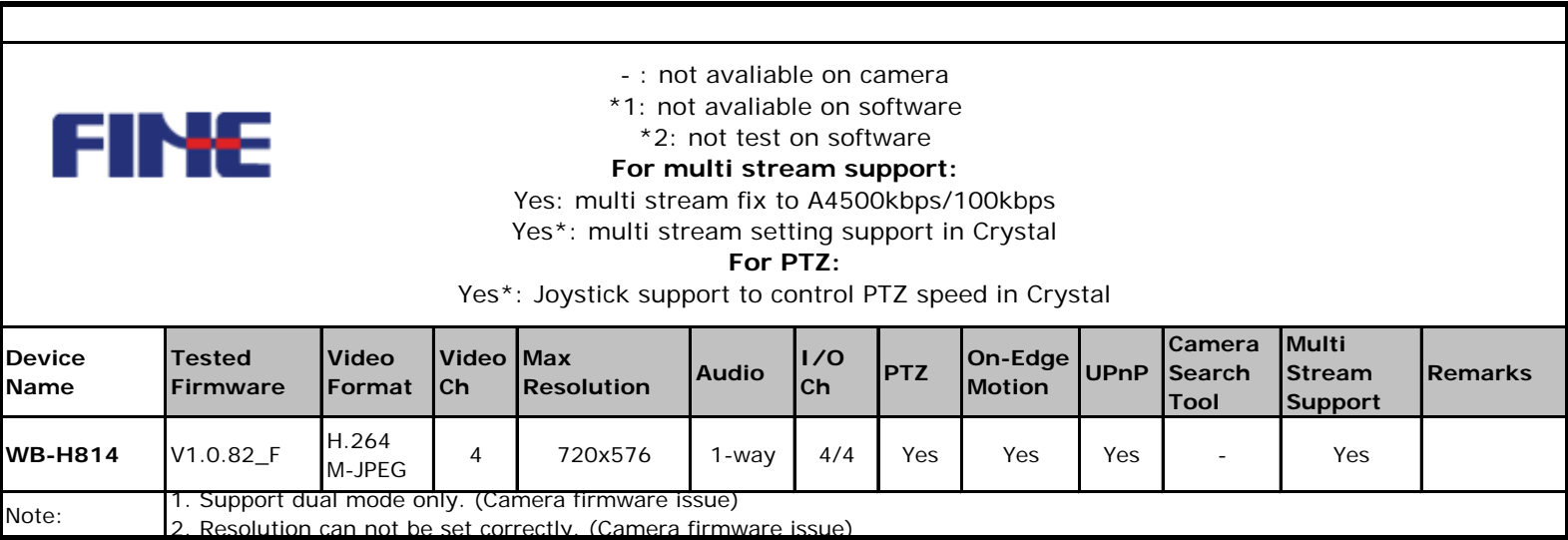
- : not available on camera
*1: not available on software
*2: not test on software

For multi stream support:
Yes: multi stream fix to A4500kbps/100kbps
Yes*: multi stream setting support in Crystal

For PTZ:
Yes*: Joystick support to control PTZ speed in Crystal

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Camera Search Tool	Multi Stream Support	Remarks
TCP-KZ462	Refer to TCP-KM465(VK2.0.11.0_F)	H.265 H.264 MJPEG	1	2592x1520	1-way	1/1	-	*2	Yes	-	Yes*	Supported by design
TCP-M360K	Refer to CDV-3VM800Z42(VE2.0.23.10)	H.264 MJPEG	1	1920x1080	1-way	1/1	Yes*	Yes	Yes	-	Yes*	Supported by design
TCP-M912DN	V1.2.28_F	MPEG4 M-JPEG	1	MPEG4: 640x480 M-JPEG: 1280x960	1-way	2/2	-	Yes	-	-	-	
TCP-MB602	Refer to CDV-MD602(VG2.0.20_F)	H.264 M-JPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	-	Yes*	Supported by design
TCP-MB605	Refer to CDV-MD602(VG2.0.20_F)	H.264 M-JPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	-	Yes*	Supported by design
TCP-MB685	Refer to CDV-MD602(VG2.0.20_F)	H.264 M-JPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	-	Yes*	Supported by design
TCP-MH802	1.0.46	M-JPEG H.264	1	1600x1200	1-way	1/1	-	Yes	Yes	-	Yes	
Note:	1. Framerate may be incorrect displayed with MJPEG format. (Canera firmware issue) 2. Camera is unable to achieve maximum FPS. (Camera performance limitation)											
TCP-MH859	Refer to TCP-VM559(VC2.0.26.6_F)	H.264 M-JPEG	1	2592x1944	1-way	1/1	-	Yes	Yes	-	Yes	Supported by design
TCP-MH859G	Refer to CDB-5VM551G(VH2.0.14.2_F)	MJPEG H.264	1	2592x1944	1-way	1/1	-	Yes	Yes	-	Yes*	Supported by design
TCP-MZ602	Refer to CDV-MD602(VG2.0.20_F)	H.264 M-JPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	-	Yes*	Supported by design
TCP-MZ605	Refer to CDV-MD602(VG2.0.20_F)	H.264 M-JPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	-	Yes*	Supported by design
TCP-VM2008T	01_C021	H.264 H.265 M-JPEG	1	1920x1080	1-way	2/2	Yes*	Yes	Yes	-	Yes*	
Note:	1. Not support G.726 with 8K Hz and 16 bits per sample and AMR codec. (NUUO server limitation)											
TCP-VM201		MPEG4 M-JPEG	1	1280x1024	1-way	0/0	-	Yes	-	-	Yes	Supported by design







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 *2: not test on software

For multi stream support:

Yes: multi stream fix to A4500kbps/100kbps

Yes*: multi stream setting support in Crystal

For PTZ:

Yes*: Joystick support to control PTZ speed in Crystal

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Multi Stream Support	Remarks
FC-348-NTSC	BU 1.2	H.264 MJPEG MPEG4	1	720x480	-	-	Yes	Yes	Yes	Yes*	
Note:	1. When bitrate set higher than 1Mbps, the RTSP connection is unstable. 2. Sometime we fail to change the encoding setting after the camera connected for a long time. The setting displays at web client and onvif interface will change but actually not. 3. Can't get the I/O status by Onvif interface 4. Can't use camera search function because of onvif command timeout. 5. Can't use auto detection because of Onvif command timeout.										
FC-309	Refer to FC-348-NTSC(BU 1.2)	H.264 MJPEG MPEG4	1	720x480	-	-	Yes	Yes	Yes	Yes*	Supported by design
FC-313	Refer to FC-348-NTSC(BU 1.2)	H.264 MJPEG MPEG4	1	720x480	-	-	Yes	Yes	Yes	Yes*	Supported by design
FC-334	Refer to FC-348-NTSC(BU 1.2)	H.264 MJPEG MPEG4	1	720x480	-	-	Yes	Yes	Yes	Yes*	Supported by design
FC-334S	Refer to FC-348-NTSC(BU 1.2)	H.264 MJPEG MPEG4	1	720x480	-	-	Yes	Yes	Yes	Yes*	Supported by design
FC-324	Refer to FC-348-NTSC(BU 1.2)	H.264 MJPEG MPEG4	1	720x480	-	-	Yes	Yes	Yes	Yes*	Supported by design
FC-324S	Refer to FC-348-NTSC(BU 1.2)	H.264 MJPEG MPEG4	1	720x480	-	-	Yes	Yes	Yes	Yes*	Supported by design
FC-363	Refer to FC-348-NTSC(BU 1.2)	H.264 MJPEG MPEG4	1	720x480	-	-	Yes	Yes	Yes	Yes*	Supported by design
FC-618-R-NTSC	BU 1.2	H.264 MJPEG MPEG4	1	720x480	-	*2	Yes	*2	*2	Yes*	
Note:	1. When bitrate set higher than 1Mbps, the RTSP connection is unstable. 2. Sometime we fail to change the encoding setting after the camera connected for a long time. The setting displays at web client and onvif interface will change but actually not. 3. Can't get the I/O status by Onvif interface 4. Can't use camera search function because of onvif command timeout. 5. Can't use auto detection because of Onvif command timeout.										
FC-690S	Refer to FC-618-NTSC(BU 1.2)	H.264 MJPEG MPEG4	1	720x480	-	-	Yes	Yes	Yes	Yes*	Supported by design
FC-669S	Refer to FC-618-NTSC(BU 1.2)	H.264 MJPEG MPEG4	1	720x480	-	-	Yes	Yes	Yes	Yes*	Supported by design
FC-645S	Refer to FC-618-NTSC(BU 1.2)	H.264 MJPEG MPEG4	1	720x480	-	-	Yes	Yes	Yes	Yes*	Supported by design



- : not available on camera
*1: not available on software
*2: not test on software

For multi stream support:

Yes: multi stream fix to A4500kbps/100kbps

Yes*: multi stream setting support in Crystal

For PTZ:

Yes*: Joystick support to control PTZ speed in Crystal

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Multi Stream Support	Remarks
FC-632S	Refer to FC-618-NTSC(BU 1.2)	H.264 MJPEG MPEG4	1	720x480	-	-	Yes	Yes	Yes	Yes*	Supported by design



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 *2: not test on software

For multi stream support:

Yes: multi stream fix to A4500kbps/100kbps
 Yes*: multi stream setting support in Crystal

For PTZ:

Yes*: Joystick support to control PTZ speed in Crystal

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Camera Search Tool	Multi Stream Support	Remarks
ACD-3VM501	refer to ACDV-3VM501	H.264 M-JPEG	1	1600x1200	-	1/1	-	Yes	Yes	-	-	Supported by design
ACDV-3VM501		H.264 M-JPEG	1	1600x1200	-	1/1	-	Yes	Yes	-	-	Supported by design
AEP-Q2018HW-IP		H.264 M-JPEG	1	720x480	-	-	Yes	Yes	Yes	-	-	Supported by design
AEP-Q2026HW-IP		H.264 M-JPEG	1	720x480	-	-	Yes	Yes	Yes	-	-	Supported by design
AEP-Q2036HW-IP		H.264 M-JPEG	1	720x480	-	-	Yes	Yes	Yes	-	-	Supported by design
ASP-PTIR737-IP		H.264 M-JPEG	1	720x576	-	-	Yes	Yes	Yes	-	-	Supported by design
ASP-PTIR737-LA-IP		H.264 M-JPEG	1	720x576	-	-	Yes	Yes	Yes	-	-	Supported by design
ATCP-IRH5030C		H.264 M-JPEG	1	1600x1200	-	1/1	-	Yes	Yes	-	-	Supported by design
ATCP-IRH5040C		H.264 M-JPEG	1	1600x1200	-	1/1	-	Yes	Yes	-	-	Supported by design
ATCP-MH802		H.264 M-JPEG	1	1600x1200	-	1/1	-	Yes	Yes	-	-	Supported by design
Note:	ATCP-MH802DN, ATCP-MH802DN/WI and ATCP-MH802WI are compatible with ACTP-MH802											
ATCP-VM501		H.264 M-JPEG	1	1600x1200	-	1/1	-	Yes	Yes	-	Yes	Supported by design
AWB-H811		H.264 M-JPEG	1	720x480	-	2/2	Yes	Yes	Yes	-	Yes	Supported by design
AWB-H814		H.264 M-JPEG	1	720x576	-	4/4	-	Yes	Yes	-	Yes	Supported by design
B0100		H.264 M-JPEG MPEG4	1	1280x800	1-way	1/0	-	Yes	Yes	-	Yes	Supported by design
B0202	V3.2.0.0	H.264 M-JPEG MPEG4	1	1920x1080	1-way	1/1	-	Yes	Yes	-	Yes	
B1100		H.264 M-JPEG MPEG4	1	1280x800	1-way	1/0	-	Yes	Yes	-	Yes	Supported by design



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For multi stream support:

Yes: multi stream fix to A4500kbps/100kbps

Yes*: multi stream setting support in Crystal

For PTZ:

Yes*: Joystick support to control PTZ speed in Crystal

[illegible]



- : not available on camera
 *1: not available on software
 *2: not test on software

For multi stream support:

Yes: multi stream fix to A4500kbps/100kbps
 Yes*: multi stream setting support in Crystal

For PTZ:

Yes*: Joystick support to control PTZ speed in Crystal

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Camera Search Tool	Multi Stream Support	Remarks
FBU-201LWD	Refer to FBU-200LWD (FW AgWT820012 2N06 V32 1401213F)	H.264	1	1920x1080	1-way	0/1	Yes	Yes	Yes	-	Yes	Supported by design
FBU-300LWD	refer to FVD-300LWD(Ag WT8300036N 06 V32 1401214F)	H.264	1	2048x1536	1-way	*2	Yes	Yes	Yes	-	Yes	Supported by design
FBU-301LWD	refer to FVD-300LWD(Ag WT8300036N 06 V32 1401214F)	H.264	1	2048x1536	1-way	*2	Yes	Yes	Yes	-	Yes	
FBS-1300 BX	AgWT813010 4N20_14052 82B	H.264	1	1280x1024	1-way	1/1	Yes	Yes	Yes	-	Yes	
FBS-1300BL	refer to FBS-1300BX(AgW T8130104N2 0_1405282B)	H.264	1	1280x1024	1-way	1/1	Yes	Yes	Yes	-	Yes	Supported by design
FBS-1300 ID	refer to FBS-1300BX(AgW T8130104N2 0_1405282B)	H.264	1	1280x1024	1-way	1/1	Yes	Yes	Yes	-	Yes	Supported by design
FBS-1300IDR	refer to FBS-1300BX(AgW T8130104N2 0_1405282B)	H.264	1	1280x1024	1-way	1/1	Yes	Yes	Yes	-	Yes	Supported by design



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For multi stream support:

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 Yes*: multi stream setting support in Crystal

For PTZ:

Yes*: Joystick support to control PTZ speed in Crystal

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Camera Search Tool	Multi Stream Support	Remarks
FBS-1300MID	refer to FBS-1300BX(AgWT8130104N20_1405282B)	H.264	1	1280x1024	1-way	1/1	Yes	Yes	Yes	-	Yes	Supported by design
FBS-1300MVD	refer to FBS-1300BX(AgWT8130104N20_1405282B)	H.264	1	1280x1024	1-way	1/1	Yes	Yes	Yes	-	Yes	Supported by design
FBS-1300VD	refer to FBS-1300BX(AgWT8130104N20_1405282B)	H.264	1	1280x1024	1-way	1/1	Yes	Yes	Yes	-	Yes	Supported by design
FBS-1300VDR	refer to FBS-1300BX(AgWT8130104N20_1405282B)	H.264	1	1280x1024	1-way	1/1	Yes	Yes	Yes	-	Yes	Supported by design
FBX-200		H.264 MPEG4 MJPEG	1	1920x1080	1-way	1/1	Yes	Yes	-	-	Yes	Supported by design
FBX-200CL	Refer to FBU-200LWD (FW AgWT8200122N06 V32 1401213F)	H.264	1	1920x1080	1-way	0/1	Yes	Yes	Yes	-	Yes	Supported by design
FBX-200LWD	Refer to FBU-200LWD (FW AgWT8200122N06 V32 1401213F)	H.264	1	1920x1080	1-way	0/1	Yes	Yes	Yes	-	Yes	Supported by design



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For PTZ:

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Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Camera Search Tool	Multi Stream Support	Remarks
FBX-300LWD	refer to FVD-300LWD(Ag WT8300036N 06 V32 1401214F)	H.264	1	2048x1536	1-way	*2	Yes	Yes	Yes	-	Yes	Supported by design
FBX-300WD		H.264 MPEG4 MJPEG	1	2048x1536	1-way	1/1	Yes	Yes	-	-	Yes	Supported by design
FDM-200		H.264 MPEG4 MJPEG	1	1920x1080	1-way	1/1	Yes	Yes	-	-	Yes	Supported by design
FDM-200LWD	Refer to FBU-200LWD (FW AgWT820012 2N06 V32 1401213F)	H.264	1	1920x1080	1-way	0/1	Yes	Yes	Yes	-	Yes	Supported by design
FDM-300LWD	refer to FVD-300LWD(Ag WT8300036N 06 V32 1401214F)	H.264	1	2048x1536	1-way	*2	Yes	Yes	Yes	-	Yes	Supported by design
FDM-300WD		H.264 MPEG4 MJPEG	1	2048x1536	1-way	1/1	Yes	Yes	-	-	Yes	Supported by design
FVD-200		H.264 MPEG4 MJPEG	1	1920x1080	1-way	1/1	Yes	Yes	-	-	Yes	Supported by design
FVD-200LWD	Refer to FBU-200LWD (FW AgWT820012 2N06 V32 1401213F)	H.264	1	1920x1080	1-way	0/1	Yes	Yes	Yes	-	Yes	Supported by design
FVD-200LWD	Refer to FDM-200	H.264 MPEG4 MJPEG	1	1920x1080	1-way	1/1	Yes	Yes	-	-	Yes	Supported by design



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Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Camera Search Tool	Multi Stream Support	Remarks
FVD-300LWD	AgWT830003 6N06 V32 1401214F	H.264	1	2048x1536	1-way	*2	Yes	Yes	Yes	-	Yes	
Note:	(Camera FW issue) Camera replys no IO status. (Camera FW issue): Camera snapshot function failed. (Camera FW issue): FPS could not reach up to user setting by TCP protocol connection. (Known issue): It is probable that bitrate per second of low/minimun stream is unable to achieve 500bps/100bps under D1, SXGA, 3M resolution.											
FVD-300WD		H.264 MPEG4 MJPEG	1	2048x1536	1-way	1/1	Yes	Yes	-	-	Yes	Supported by design
GE-100-VS		H.264 M-JPEG MPEG4	1	1280x800	1-way	-	-	Yes	Yes	-	Yes	Supported by design
IPB-1080BL	Refer to IPD-1080CD (VC1.0.22.6_TG)	H.264 MJPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	-	Yes	Supported by design
IPB-1080BM	Refer to IPD-1080CD (VC1.0.22.6_TG)	H.264 MJPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	-	Yes	Supported by design
IPB-1080E	Refer to IPD-1080MF(VE1.0.22.6_TG)	H.264 MJPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	-	Yes*	Supported by design
IPB-1080EL	Refer to IPD-1080MF(VE1.0.22.6_TG)	H.264 MJPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	-	Yes*	Supported by design
IPB-1080F	Refer to NPB-1080BMX-M(VE1.0.24.2_TG)	H.264 MJPEG	1	1920x1080	1-way	1/1	Yes	Yes	Yes	-	Yes*	Supported by design



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Yes*: multi stream setting support in Crystal

For PTZ:

Yes*: Joystick support to control PTZ speed in Crystal

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Camera Search Tool	Multi Stream Support	Remarks
IPB-1080F28	Refer to NPB-1080BMX-M(VE1.0.24.2_TG)	H.264 MJPEG	1	1920x1080	1-way	1/1	Yes	Yes	Yes	-	Yes*	Supported by design
IPB-1080WDR	Refer to IPD-1080WDR(Forenix_rootfs_VG1.0.20_TG_20150129_101057)	H.264 MJPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	-	Yes*	Supported by design
IPB-4065BM	VK1.0.13.3_TG	H.264 H.265 MJPEG	1	2592x1520	1-way	1/1	-	Yes	Yes	-	Yes*	
Note:	1. Due to camera web restriction, some frame rate cannot be set. (Camera Firmware issue)											
IPB-8000BM	VH1.0.0.11_TG	H.264 MJPEG	1	3840x2160	1-way	1/1	-	Yes	Yes	-	Yes*	
Note:	1. Camera cannot achieve maximum FPS with high resolution and bitrate. (Camera performance limitation) 2. Audio has noise. (Camera Firmware issue)											
IPD-1080CD	VC1.0.22.6_TG	H.264 MJPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	-	Yes	
IPD-1080E	Refer to IPD-1080MF(VE1.0.22.6_TG)	H.264 MJPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	-	Yes*	Supported by design
IPD-1080MF	Refer to NPB-1080BMX-M(VE1.0.24.2_TG)	H.264 MJPEG	1	1920x1080	1-way	1/1	Yes	Yes	Yes	-	Yes*	Supported by design
IPD-1080KF	Refer to NPB-1080BMX-M(VE1.0.24.2_TG)	H.264 MJPEG	1	1920x1080	1-way	1/1	Yes	Yes	Yes	-	Yes*	Supported by design



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 Yes*: multi stream setting support in Crystal

For PTZ:

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Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Camera Search Tool	Multi Stream Support	Remarks
IPD-1080WDR	Forenix_rootfs_VG1.0.20_TG_20150129_101057	H.264 MJPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	-	Yes*	
Note:	1. Stream1 and stream2 framerate list is not as same as web. (Camera Firmware issue) 2. in 1080p HD 12bits 60fps(True WDR) mode, stream2 and stream3 can not connect, and can not get parameters.(Camera Firmware issue)											
IPD-4065CD	Refer to IPB-4065BM(VK1.0.13.3_TG)	H.264 H.265 MJPEG	1	2592x1520	1-way	1/1	-	Yes	Yes	-	Yes*	Supported by design
IPD-8000CD	Refer to IPB-8000BM(VH1.0.0.11_TG)	H.264 MJPEG	1	3840x2160	1-way	1/1	-	Yes	Yes	-	Yes*	Supported by design
IPM-1080F	Refer to NPB-1080BMX-M(VE1.0.24.2_TG)	H.264 MJPEG	1	1920x1080	1-way	1/1	Yes	Yes	Yes	-	Yes*	Supported by design
IPM-1080RF	Refer to NPB-1080BMX-M(VE1.0.24.2_TG)	H.264 MJPEG	1	1920x1080	1-way	1/1	Yes	Yes	Yes	-	Yes*	Supported by design
IPT-1080F	Refer to NPB-1080BMX-M(VE1.0.24.2_TG)	H.264 MJPEG	1	1920x1080	1-way	1/1	Yes	Yes	Yes	-	Yes*	Supported by design
IPV-1080CD	Refer to IPD-1080CD(VC1.0.22.6_TG)	H.264 MJPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	-	Yes	Supported by design



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Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Camera Search Tool	Multi Stream Support	Remarks
IPV-1080E	Refer to IPD-1080MF(VE1.0.22.6_TG)	H.264 MJPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	-	Yes*	Supported by design
IPV-1080F	Refer to NPB-1080BMX-M(VE1.0.24.2_TG)	H.264 MJPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	-	Yes*	Supported by design
IPV-4065CD	Refer to IPB-4065BM(VK1.0.13.3_TG)	H.264 H.265 MJPEG	1	2592x1520	1-way	1/1	-	Yes	Yes	-	Yes*	Supported by design
IPV-1080WDR	Refer to IPD-1080WDR(Forenix_rootfs_VG1.0.20_TG_20150129_101057)	H.264 MJPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	-	Yes*	Supported by design
IPV-8000CD	Refer to IPB-8000BM(VH1.0.0.11_TG)	H.264 MJPEG	1	3840x2160	2-way	1/1	-	Yes	Yes	-	Yes*	Supported by design
IPX-1080DN	Refer to IPD-1080CD (VC1.0.22.6_TG)	H.264 MJPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	-	Yes	Supported by design
IPX-1080E	Refer to IPD-1080MF(VE1.0.22.6_TG)	H.264 MJPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	-	Yes*	Supported by design



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[illegible]



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For PTZ:

Yes*: Joystick support to control PTZ speed in Crystal

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Camera Search Tool	Multi Stream Support	Remarks
ISPD-2065-20X	VK1.0.15.1_TG	MJPEG H.264 H.265	1	1920x1080	1-way	4/1	Yes*	Yes	Yes	-	Yes*	
Note:	1. The list of resolution is not synchronized with wamera web. (Camera Firmware issue) 2. Stream2's frame rate list can not sync with camera web when resolution of stream1 and stream2 are selected 1920x1080. (Camera Firmware issue) 3. Camera with lowest resolution and FPS is unable to achieve the expected bitrate . (Camera Firmware issue) 4. Image Parameters can not normally set. (Camera Firemware issue)											
ISPDIII-3010	0.1.4960M	H.264 MJPEG	1	2048x1536	1-way	1/1	Yes	Yes	Yes	-	Yes*	
Note:	ISPDIII-3010: 1. Fps and resolution list is not synchronized with the camera web due to onvif protocol mechanism. (Camera limitation issue) 2. Talk(audio out) are not supported due to there is no implementation mechanism from sdk document. (Camera issue)											
ISPD II-1312WD	AgWT813131 2N20_14041 85F	H.264	1	1280x1024	-	-	Yes	Yes	Yes	-	Yes	
Note:	1. Dual stream with main stream resolution SXGA, SXVGA, D1 is unable to achieve 500k/100k bps. (Camera performance limitation) 2. Camera with quality over 8192 is unable to achieve maximum FPS (Camera performance limitation) 3. Camera pan/tilt periodic moves per 30 seconds/2 miniutes. After periodic moving, camera can't tilt for 1 minute.											
ISPD II-3018WD	AgWT830301 8N20_14041 85F	H.264	1	2048x1536	-	-	Yes	Yes	Yes	-	Yes	
Note:	1. Dual stream with main stream resolution 3M, SXGA, D1 is unable to achieve 500k/100k bps. (Camera performance limitation) 2. Camera with quality over 8192 is unable to achieve maximum FPS. (Camera firmware issue)											
M0202-BH01	Refer to B0202	H.264 M-JPEG MPEG4	1	1920x1080	1-way	1/1	-	Yes	Yes	-	Yes	Supported by design
M0202-BH02	Refer to B0202	H.264 M-JPEG MPEG4	1	1920x1080	1-way	1/1	-	Yes	Yes	-	Yes	Supported by design
M0202-BH03	Refer to B0202	H.264 M-JPEG MPEG4	1	1920x1080	1-way	1/1	-	Yes	Yes	-	Yes	Supported by design
M4202-DB02	Refer to B0202	H.264 M-JPEG MPEG4	1	1920x1080	1-way	1/1	-	Yes	Yes	-	Yes	Supported by design



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Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Camera Search Tool	Multi Stream Support	Remarks
M4202-DB03	Refer to B0202	H.264 M-JPEG MPEG4	1	1920x1080	1-way	1/1	-	Yes	Yes	-	Yes	Supported by design
M7202-DB03	Refer to B0202	H.264 M-JPEG MPEG4	1	1920x1080	1-way	1/1	-	Yes	Yes	-	Yes	Supported by design
NPB-1080BLX	Refer to NPB-1080BMX-M(VE1.0.24.2_TG)	H.264 MJPEG	1	1920x1080	1-way	1/1	Yes	Yes	Yes	-	Yes*	Supported by design
NPB-1080BMX	Refer to NPB-1080BMX-M(VE1.0.24.2_TG)	H.264 MJPEG	1	1920x1080	1-way	1/1	Yes	Yes	Yes	-	Yes*	Supported by design
NPB-1080BMX-M	VE1.0.24.2_TG	H.264 MJPEG	1	1920x1080	1-way	1/1	Yes	Yes	Yes	-	Yes*	
Note	1. Frame rate list of stream 2 won't be affected by resolution of stream 1. (Camera firmware limitation) 2. Camera via MJPEG is unable to achieve setting frame rate. (Camera performance issue) 3. Audio-out stutter with G.711 and G.726. (camera performance limitation) 4. PTZ only support zoom and focus. (Camera limitation)											
NPB-4065BL-M	VK1.0.25.2_TG	H.264 MJPEG H.265	1	2592x1520	1-way	1/1	Yes*	Yes	Yes	-	Yes*	
Note:	1. Camera is unable to achieve highest framerate. (Camera performance issue)											
NPB-4065BM	Refer to NPB-4065BL-M (VK 1.0.25.2_TG)	H.264 MJPEG H.265	1	2592x1520	1-way	1/1	Yes*	Yes	Yes	-	Yes*	Supported by design
NPB-720	refer to NPB-720BM	H.264 M-JPEG MPEG4	1	1280x800	-	1/1	-	Yes	Yes	-	Yes	Supported by design
NPB-720A	refer to NPB-720BM	H.264 M-JPEG MPEG4	1	1280x800	-	1/1	-	Yes	Yes	-	Yes	Supported by design
NPB-720BM	VB1.0.26_TG	H.264 M-JPEG MPEG4	1	1280x800	-	1/1	-	Yes	Yes	-	Yes	



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Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Camera Search Tool	Multi Stream Support	Remarks
Note	FW issue cannot support UPnP and autodetect.											
NPB-720U	refer to NPB-720BM	H.264 M-JPEG MPEG4	1	1280x800	-	1/1	-	Yes	Yes	-	Yes	Supported by design
NPD-1080CDX	Refer to NPB-1080BMX-M(VE1.0.24.2_TG)	H.264 MJPEG	1	1920x1080	1-way	1/1	Yes	Yes	Yes	-	Yes*	Supported by design
NPD-4065CD	Refer to NPB-4065BL-M(VK 1.0.25.2_TG)	H.264 MJPEG H.265	1	2592x1520	1-way	1/1	Yes*	Yes	Yes	-	Yes*	Supported by design
NPD-720K	refer to NPB-720BM	H.264 M-JPEG MPEG4	1	1280x800	-	1/1	-	Yes	Yes	-	Yes	Supported by design
NPD-720R	refer to NPB-720BM	H.264 M-JPEG MPEG4	1	1280x800	-	1/1	-	Yes	Yes	-	Yes	Supported by design
NPV-1080CDX	Refer to NPB-1080BMX-M(VE1.0.24.2_TG)	H.264 MJPEG	1	1920x1080	1-way	1/1	Yes	Yes	Yes	-	Yes*	Supported by design
NPV-1080CDX-M	VE1.0.24.4_TG	MJPEG H.264	1	1920x1080	1-way	1/1	Yes*	Yes	Yes	-	Yes*	
Note:	1. Audio is intermittent. (Camera firmware issue) 2. Can not detect the model name . (Camera firmware issue) 3. Camera is unable to achieve setting framerate and bitrate. (Camera performance issue)											
NPV-4065CD	Refer to NPB-4065BL-M(VK 1.0.25.2_TG)	H.264 MJPEG H.265	1	2592x1520	1-way	1/1	Yes*	Yes	Yes	-	Yes*	Supported by design
NPX-1080DNX	Refer to NPB-1080BMX-M(VE1.0.24.2_TG)	H.264 MJPEG	1	1920x1080	1-way	1/1	Yes	Yes	Yes	-	Yes*	Supported by design
NPX-4065DN	Refer to NPB-4065BL-M(VK 1.0.25.2_TG)	H.264 MJPEG H.265	1	2592x1520	1-way	1/1	Yes*	Yes	Yes	-	Yes*	Supported by design



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For PTZ:

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Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Camera Search Tool	Multi Stream Support	Remarks
NSPD-2065-20X	VK 1.0.22.0_TG	H.264 MJPEG H.265	1	1920x1080	1-way	4/1	Yes*	Yes	Yes	-	Yes*	
Note	1. Auto Pan function not support in NAS. (NUUO server limitation) 2. Frame rate list of stream 2 won't be affected by resolution of stream 1. (Camera firmware limitation) 3. Image parameters works abnormally. (Camera firemwre issue)											
NVS-AH01	VH1.0.0.16	MJPEG H.264	1	1920x1080	1-way	1/1	Yes*	Yes	Yes	Yes*	Yes*	
Note	1. Auto Pan function not support in NAS. (NUUO server limitation) 2. Frame rate list of stream 2 won't be affected by resolution of stream 1. (Camera firmware limitation) 3. Image parameters works abnormally. (Camera firemwre issue)											
T2000-FB1	Refer to M0202-BH01	H.264 M-JPEG MPEG4	1	1920x1080	1-way	1/1	-	Yes	Yes	-	Yes	Supported by design
T2000-FB2	Refer to M0202-BH02	H.264 M-JPEG MPEG4	1	1920x1080	1-way	1/1	-	Yes	Yes	-	Yes	Supported by design
T2000-VB3	Refer to M0202-BH03	H.264 M-JPEG MPEG4	1	1920x1080	1-way	1/1	-	Yes	Yes	-	Yes	Supported by design
VQ2100		MJPEG MPEG4 H.264	1	1920x1080	1-way	1/1	-	Yes	Yes	-	Yes	Supported by design
VQ2200		MJPEG MPEG4 H.264	1	1920x1080	1-way	-	-	Yes	Yes	-	Yes	Supported by design
VQ2210C		MJPEG MPEG4 H.264	1	1920x1080	1-way	1/1	Yes	Yes	Yes	-	Yes	Supported by design
VQ2300		MJPEG MPEG4 H.264	1	1920x1080	1-way	1/1	-	Yes	Yes	-	Yes	Supported by design
VQ2310		MJPEG MPEG4 H.264	1	1920x1080	1-way	1/1	Yes	Yes	Yes	-	Yes	Supported by design



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Yes*: multi stream setting support

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Multi Stream Support	Remarks
TVC-M1245E-2M-P	V4.0.g	H264 MPEG4	1	1280x690	-	-	-	Yes	Yes	Yes	
TVC-MP2B-S	e20120223B NS	H264 M-JPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	Yes	



GNS-C3203LE	2.3.3073.74	H.264 M-JPEG MPEG4	1	1920x1080	1-way	1/1	-	Yes	Yes	-	Yes	
Note:	1. DO cannot be triggered. (Camera firmware issue) 2. Motion cannot be triggered when video format is MJPEG. (Camera firmware issue) 3. If change mode to corridor 90 or 270, the information of stream 3 is incorrect and stream 3 can not connect. (Camera firmware issue) 4. Camera is unable to achieve FPS when 3 streams are connecting. (Camera performance limitation)											



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For multi stream support:
 Yes: multi stream fix to 500kbps/100kbps
 Yes*: multi stream setting support

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Multi Stream Support	Remarks
GCI-0735P		H.264 MPEG4 M-JPEG	1	720x576	1-way	4/1	Yes	Yes	Yes	Yes	Supported by design
GCI-C0745P	720110412NS	H.264 M-JPEG	1	720x576	1-way	4/1	Yes	Yes	Yes	Yes	
GCI-G1536F	gr20140530NSA	H.264, MJPEG	1	2592x1944	1-way	1/1	-	Yes	Yes	Yes	
Note:	Fisheye camera										
GCI-H0503B	720110422NS	H.264 MPEG4 M-JPEG	1	1280x960	1-way	1/1	-	Yes	Yes	Yes	
GCI-H0522V		H.264 MPEG4 M-JPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	Yes	Supported by design
GCI-H0602B		H.264 MPEG4 M-JPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	Yes	Supported by design
GCI-H2505B	Refer to GCI-K2505B(gr20130417NSX)	H.264, MJPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	Yes	Supported by design
GCI-K0322V	720110413NS	H.264 M-JPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	Yes	
GCI-K0503B		H.264 MPEG4 M-JPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	Yes	Supported by design
GCI-K0512W		H.264 MPEG4 M-JPEG	1	1920x1080	-	1/1	-	Yes	Yes	Yes	Supported by design
GCI-K0523T		H.264 MPEG4 M-JPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	Yes	Supported by design
Note:	With HW restrictions, the video @ H.264 with TCP protocol is not smooth in the conditions of high resolution, fps and bitrate. We recommend to lower bitrate to 4000.										
GCI-K0589T(H)	Refer to GCI-K1586V(gr20130621NSA)	H.264, MJPEG	1	1920x1080	1-way	1/1	Yes	Yes	Yes	Yes	Supported by design
GCI-K0779P	gr20130621NSA	H.264, MJPEG	1	1920x1080	1-way	4/2	Yes	Yes	Yes	Yes	
GCI-K1523VS	Refer to GCI-K2505B(gr20130417NSX)	H.264, MJPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	Yes	Supported by design



* 1: not available on software

*2: not test on software

For multi stream support:

multi stream fix to 500kbps/

Yes*: multi stream setting support

	Max		1/2		
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[illegible]



- : not available on camera
*1: not available on software
*2: not test on software

For multi stream support:

Yes: multi stream fix to A4500kbps/100kbps

Yes*: multi stream setting support in Crystal

For PTZ:

Yes*: Joystick support to control PTZ speed in Crystal

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Multi Stream Support	Remarks
GDN-D1300V	AS65_ALL001_V0.01.09	H.264	1	1280x1024	1-way	1/1	-	Yes	-	Yes*	
Note:	Not support 16 KHz sampling rate audio in.										
GDN-DV1300IR	Refer to GDN-D1300V(AS65_ALL001_V0.01.09)	H.264	1	1280x1024	1-way	1/1	-	Yes	-	Yes*	
GDN-D1300IR	Refer to GDN-D1300V(AS65_ALL001_V0.01.09)	H.264	1	1280x1024	1-way	1/1	-	Yes	-	Yes*	
GDN-D2300V	Refer to GDN-H2300IR(AS65_ALL001_V0.02.04)	H.264	1	1920x1080	1-way	1/1	-	Yes	-	Yes*	
GDN-D3200V	AS65_ALL001_V0.02.00	H.264	1	2048x1536	1-way	1/1	-	Yes	-	Yes*	
GDN-D3200IR	Refer to GDN-D3200V(AS65_ALL001_V0.02.00)	H.264	1	2048x1536	1-way	1/1	-	Yes	-	Yes*	
GDN-F1300V	Refer to GDN-D1300V(AS65_ALL001_V0.01.09)	H.264	1	1280x1024	1-way	1/1	-	Yes	-	Yes*	
GDN-F2300	Refer to GDN-H2300IR(AS65_ALL001_V0.02.04)	H.264	1	1920x1080	1-way	1/1	-	Yes	-	Yes*	
GDN-H1300IR	Refer to GDN-D1300V(AS65_ALL001_V0.01.09)	H.264	1	1280x1024	1-way	1/1	-	Yes	-	Yes*	
GDN-H2300IR	AS65_ALL001_V0.02.04	H.264	1	1920x1080	1-way	1/1	-	Yes	-	Yes*	
Generic	AS65_ALL001_V1.00.07	H.264 MJPEG MPEG4	1	1280x1024	1-way	1/1	-	Yes	-	Yes*	
Note:	1. Camera will be rebooted (60 seconds) after parameter configuration. (Camera performance limitation) 2. 16 KHz sampling rate audio in are not supported. 3. Camera search is not supported. (Camera firmware issue) 4. The camera setting will be failed if choose the value "BOTH".(Camera firmware issue) 5. Camera cannot be connected when 2nd resolution set to 854*480. (Camera firmware issue) 6. The default value of brightness should be 50. (Camera firmware issue)										
GDN-H3200IR	Refer to GDN-D3200V(AS65_ALL001_V0.02.00)	H.264	1	2048x1536	1-way	1/1	-	Yes	-	Yes*	



Yes*: Joystick support to control PTZ speed in Crystal

Note:	1. Camera via H.264 is unable to achieve setting bit rate and frame rate. (Camera performance issue)
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New-platform models: FW 20100628 is compatible
 Old-platform models: only FW 20100320 is acceptable
 - : not available on camera
 *1: not available on software
 *2: not test on software



For multi stream support:

Yes: multi stream fix to 500kbps/100kbps
 Yes*: multi stream setting support in Crystal

For PTZ:

Yes*: Joystick support to control PTZ speed in Crystal

Bitrate list can not sync with camera web.

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Multi Stream Support	Remarks
DS-2CD2012-I	v5.0.2 build130805	H.264	1	1280x960	-	-	-	Yes	Yes	Yes	
Note:	1. DS-2CD2012-I FW issue: not support PTZ function but web setting can enable this option. 2. Sub stream resolution can't bigger than Main stream resolution.										
DS-2CD2032-I	V5.3.0 build 150513	H.264	1	2048x1536	-	-	-	*2	*2	Yes*	
Note:	1.Frame rate will display too high. (NUUO server limitation)										
DS-2CS2132F-1-2.8mm	Refer to DS-2CD2032-I(V5.3.0)	H.264	1	2048x1536	-	-	-	*2	*2	Yes*	Supported by design
DS-2CD2112-(I)	Refer to DS-2CD2012-I(v5.0.2 build130805)	H.264	1	1280x960	-	-	-	Yes	Yes	Yes	Supported by design
DS-2CD2142FWD-I	Refer to DS-2CD2142FW D-IWS(V5.4.1 build 160525)	H.264	1	2688x1520	*2	*2	-	*2	*2	Yes*	Supported by design
DS-2CD2142FWD-IWS	V5.4.1 build 160525	H.264	1	2688x1520	*2	*2	-	*2	*2	Yes*	Test by link
DS-2CD2212-I3	Refer to DS-2CD2012-I(v5.0.2 build130805)	H.264	1	1280x960	-	-	-	Yes	Yes	Yes	Supported by design
DS-2CD2212-I5	Refer to DS-2CD2012-I(v5.0.2 build130805)	H.264	1	1280x960	-	-	-	Yes	Yes	Yes	Supported by design
DS-2CD2312-I	Refer to DS-2CD2012-I(v5.0.2 build130805)	H.264	1	1280x960	-	-	-	Yes	Yes	Yes	Supported by design
DS-2CD2342WD-I	Refer to DS-2CD2142FW D-IWS(V5.4.1 build 160525))	H.264	1	2688x1520	*2	*2	-	*2	*2	Yes*	Supported by design
DS-2CD2432F-IW	V5.3.0 build 150513	H.264	1	2048x1536	1-way	1/1	-	Yes	Yes	Yes*	
Note:	1.Bitrate list can not sync with camera web. (Camera Firmware issue) 2.Not support Flip/Mirror. (NUUO server limitation)										
DS-2CD2620F-I	Refer to DS-2CD2620F-I ZS (V5.4.3 build 160705)	H.264	1	1920x1080	*2	*2 (2/2)	Yes*	Yes	*2	Yes*	
DS-2CD2620F-IS	Refer to DS-2CD2620F-I ZS (V5.4.3 build 160705)	H.264	1	1920x1080	*2	*2 (2/2)	Yes*	Yes	*2	Yes*	

New-platform models: FW 20100628 is compatible
 Old-platform models: only FW 20100320 is acceptable
 - : not available on camera
 *1: not available on software
 *2: not test on software



For multi stream support:

Yes: multi stream fix to 500kbps/100kbps
 Yes*: multi stream setting support in Crystal

For PTZ:

Yes*: Joystick support to control PTZ speed in Crystal

Bitrate list can not sync with camera web.

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Multi Stream Support	Remarks
DS-2CD2620F-IZ	V5.4.3 build 160705	H.264	1	1920x1080	*2	*2 (2/2)	Yes*	Yes	*2	Yes*	
DS-2CD2620F-IZS	V5.4.3 build 160705	H.264	1	1920x1080	*2	*2 (2/2)	Yes*	Yes	*2	Yes*	
DS-2CD2612F-I	Refer to DS-2CD2012-I (v5.0.2 build130805)	H.264	1	1280x960	-	-	-	Yes	Yes	Yes	Supported by design
DS-2CD2612F-IS	v5.0.2 build130805	H264	1	1280x960	1-way	1/1	-	Yes	Yes	Yes	
DS-2CD2632F-IS	Refer to DS-2CD2732F-IS (v5.0.2 build130805)	H264	1	2048x1536	1-way	1/1	-	Yes	Yes	Yes	Supported by design
DS-2CD2642FWD-IZS	V5.3.3	H.264	1	2688x1520	1-way	1/1	Yes*	Yes	Yes	Yes*	
Note:	1. Bitrate list can not sync with camera web. (Camera Firmware issue) 2. Camera with lowest parameter is unable to achieve maximum bitrate. (Camera performance limitation) 3. Bitrate will be higher than the setting value via HTTP. (Camera performance limitation) 4. PTZ only support zoom&focus.										
DS-2CD2712F-I	Refer to DS-2CD2012-I (v5.0.2 build130805)	H.264	1	1280x960	-	-	-	Yes	Yes	Yes	Supported by design
DS-2CD2712F-IS	Refer to DS-2CD2612F-IS (v5.0.2 build130805)	H264	1	1280x960	1-way	1/1	-	Yes	Yes	Yes	Supported by design
DS-2CD2732F-IS	v5.0.2 build130805	H264	1	2048x1536	1-way	1/1	-	Yes	Yes	Yes	
DS-2CD2942F-IWS	V5.4.0 build 160603	H.264	1	2560x1440	*2	*2 (1/1)	-	*2	*2	Yes*	
Note:	Fisheye camera 1. Bitrate List does not synchronize with camera web. (Camera firmware issue) 2. Unable to achieve the highest bitrate value. (Camera performance limitation) 3. Bitrate cannot not set up to 12288kbps (camera performance limitation) 4. Camera via H.264 is unable to achieve setting frame rate. (Camera performance issue)										
DS-2CD4065F-P	V5.3.4 build 150812	H.264	1	3072x2048	*2	1/1	*2	*2	*2	Yes*	
Note:	1.Bitrate list does not sync with camera web. (Camera Firmware issue) 2.When we name the preset point, preset point label will change to arabic number. (Camera Firmware issue) 3.Camera can't change to 1920x1080 with 3072x1728. (Camera Firmware issue)										
DS-2CD40C5F-AP	V5.3.0	H.264	1	4000x3000	1-way	1/1	Yes*	Yes	Yes	Yes*	

New-platform models: FW 20100628 is compatible
 Old-platform models: only FW 20100320 is acceptable
 - : not available on camera
 *1: not available on software
 *2: not test on software

For multi stream support:

Yes: multi stream fix to 500kbps/100kbps
Yes*: multi stream setting support in Crystal

For PTZ:

Yes*: Joystick support to control PTZ speed in Crystal

Bitrate list can not sync with camera web.

[illegible]

New-platform models: FW 20100628 is compatible
 Old-platform models: only FW 20100320 is acceptable
 - : not available on camera
 *1: not available on software
 *2: not test on software



For multi stream support:

Yes: multi stream fix to 500kbps/100kbps
 Yes*: multi stream setting support in Crystal

For PTZ:

Yes*: Joystick support to control PTZ speed in Crystal

Bitrate list can not sync with camera web.

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Multi Stream Support	Remarks
DS-2CD4565F-IZH	V5.3.4 build 150812	H.264	1	3072x2048	1-way	1/1	-	Yes	Yes	Yes*	
Note:	1.Bitrate list can not sync with camera web. (Camera Firmware issue) 2.Not support Flip/Mirror. (NUUO server limitation) 3.PTZ only support zoom&focus. 4.Snapshot resolution default is 704*576										
DS-2CD4625FWD-IZS	V5.3.4	H.264	1	1920x1080	*2	*2	*2	*2	*2	Yes*	
Note:	1. Bitrate list can not sync with web. (Camera Firmware issue)										
DS-2CD6026FHWD-A	V5.1.0 build 131202	H.264 MPEG4	1	1920x1080	*2	*2	*2	*2	*2	Yes*	
Note:	1. Framerate and bitrate can not achieve to maximum. (Camera performance limitation) 2. OSD will display 1920x1088 in MPEG4 1920x1080. (Camera Firmware issue) 3. Can't set frame rate to 50 fps. (Camera Firmware issue)										
DS-2CD702NF-E		H.264	1	704x576	1-way	1/1	Yes	Yes	Yes	-	Supported by design
DS-2CD702PF-E		H.264	1	704x576	1-way	1/1	Yes	Yes	Yes	-	Supported by design
DS-2CD712NF-E		H.264	1	704x576	1-way	1/1	Yes	Yes	Yes	-	Supported by design
DS-2CD712PF-E		H.264	1	704x576	1-way	1/1	Yes	Yes	Yes	-	Supported by design
DS-2CD7133-E	V2.0 100628	H.264	1	640x480	-	-	-	Yes	-	-	
DS-2CD7153-E	v5.0.8 build 130930	H.264 MPEG4	1	1600x1200	-	-	-	Yes	Yes	Yes	
Note:	The range of framerate is not sync. with web when resolution is 1600x1200										
DS-2CD7253F-EIZ	V5.0.2 Build 130709	H.264 MPEG4	1	1600x1200	-	-	Yes	Yes	Yes	Yes	
Note:	1. Only support zoom in/out in the PTZ-control. 2. The range of framerate is not sync. with web when resolution is 1600x1200 and 1600x912. 3. Sub stream's format must be the same as main stream's except MJPEG. 4. UPnP Search can not get a valid mac address.										
DS-2CD732F-E	20100320	H.264	1	704x576	1-way	1/1	Yes	Yes	Yes	-	

New-platform models: FW 20100628 is compatible
 Old-platform models: only FW 20100320 is acceptable
 - : not available on camera
 *1: not available on software
 *2: not test on software



For multi stream support:

Yes: multi stream fix to 500kbps/100kbps
 Yes*: multi stream setting support in Crystal

For PTZ:

Yes*: Joystick support to control PTZ speed in Crystal

Bitrate list can not sync with camera web.

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Multi Stream Support	Remarks
DS-2CD733F-E	V2.0 100716	H.264	1	640x480	1-way	2/2	Yes	Yes	-	-	Tested by manufacturer
DS-2CD752MF-E		H.264	1	1600x1200	1-way	1/1	Yes	Yes	Yes	Yes	Supported by design
DS-2CD752MF-FB	V2.0 110426	H.264	1	1600x1200	1-way	1/1	Yes	Yes	Yes	Yes	
Note:	DS-2CD752MF-FB PTZ can't test on RS-485										
DS-2CD753F-E	V2.0 100628	H.264	1	1600x1200	1-way	2/2	Yes	Yes	-	-	
DS-2CD754F-E	Refer to 2CD754FWD-EI	H.264 MPEG4	1	1920x1080	1-way	2/2	Yes	Yes	Yes	Yes	Supported by design
DS-2CD754F-EI	Refer to 2CD754FWD-EI	H.264 MPEG4	1	1920x1080	1-way	2/2	Yes	Yes	Yes	Yes	Supported by design
DS-2CD754FWD-EI	V3.2 120105	H.264 MPEG4 MJPEG	1	1920x1080	1-way	2/2	Yes	Yes	YES	Yes	
DS-2CD762MF-FB	20100320	H.264	1	1280x960	1-way	1/1	Yes	Yes	Yes	-	
DS-2CD792NF-E		H.264	1	704x576	1-way	1/1	Yes	Yes	Yes	-	Supported by design
DS-2CD792PF-E		H.264	1	704x576	1-way	1/1	Yes	Yes	Yes	-	Supported by design
DS-2CD793PFWD-E	V2.0 100628	H.264	1	704x576	1-way	2/2	Yes	Yes	No	-	Tested by manufacturer
DS-2CD802NF		H.264	1	704x576	1-way	1/1	Yes	Yes	Yes	-	Supported by design
DS-2CD802NF-E		H.264	1	704x576	1-way	1/1	Yes	Yes	Yes	-	Supported by design
DS-2CD802NF-W		H.264	1	704x576	1-way	1/1	Yes	Yes	Yes	-	Supported by design
DS-2CD802PF		H.264	1	704x576	1-way	1/1	Yes	Yes	Yes	-	Supported by design
DS-2CD802PF-E		H.264	1	704x576	1-way	1/1	Yes	Yes	Yes	-	Supported by design
DS-2CD802PF-W		H.264	1	704x576	1-way	1/1	Yes	Yes	Yes	-	Supported by design
DS-2CD802N-IR1		H.264	1	704x576	1-way	1/1	Yes	Yes	Yes	-	Supported by design
DS-2CD802N-IR3		H.264	1	704x576	1-way	1/1	Yes	Yes	Yes	-	Supported by design



New-platform models: FW 20100628 is compatible
 Old-platform models: only FW 20100320 is acceptable
 - : not available on camera
 *1: not available on software
 *2: not test on software

For multi stream support:

Yes: multi stream fix to 500kbps/100kbps
 Yes*: multi stream setting support in Crystal

For PTZ:

Yes*: Joystick support to control PTZ speed in Crystal

Bitrate list can not sync with camera web.

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Multi Stream Support	Remarks
DS-2CD802N-IR5		H.264	1	704x576	1-way	1/1	Yes	Yes	Yes	-	Supported by design
DS-2CD802P-IR1		H.264	1	704x576	1-way	1/1	Yes	Yes	Yes	-	Supported by design
DS-2CD802P-IR3		H.264	1	704x576	1-way	1/1	Yes	Yes	Yes	-	Supported by design
DS-2CD802P-IR5		H.264	1	704x576	1-way	1/1	Yes	Yes	Yes	-	Supported by design
DS-2CD812NF		H.264	1	704x576	1-way	1/1	Yes	Yes	Yes	-	Supported by design
DS-2CD812NF-E		H.264	1	704x576	1-way	1/1	Yes	Yes	Yes	-	Supported by design
DS-2CD812NF-W		H.264	1	704x576	1-way	1/1	Yes	Yes	Yes	-	Supported by design
DS-2CD812PF	v2.0 build 090522	H.264	1	704x576	1-way	1/1	Yes	Yes	Yes	-	Tested by manufacturer
DS-2CD812PF-E	Refer to DS-2CD812PF (FW v2.0 build 090522)	H.264	1	704x576	1-way	1/1	Yes	Yes	Yes	-	Supported by design
DS-2CD812PF-W	Refer to DS-2CD812PF (FW v2.0 build 090522)	H.264	1	704x576	1-way	1/1	Yes	Yes	Yes	-	Supported by design
DS-2CD812N-IR1		H.264	1	704x576	1-way	1/1	Yes	Yes	Yes	-	Supported by design
DS-2CD812N-IR3		H.264	1	704x576	1-way	1/1	Yes	Yes	Yes	-	Supported by design
DS-2CD812N-IR5		H.264	1	704x576	1-way	1/1	Yes	Yes	Yes	-	Supported by design
DS-2CD812P-IR1		H.264	1	704x576	1-way	1/1	Yes	Yes	Yes	-	Supported by design
DS-2CD812P-IR3		H.264	1	704x576	1-way	1/1	Yes	Yes	Yes	-	Supported by design
DS-2CD812P-IR5		H.264	1	704x576	1-way	1/1	Yes	Yes	Yes	-	Supported by design
DS-2CD2012F-I	v5.3.0	H.264	1	1280x960	-	-	-	Yes	Yes	Yes*	

New-platform models: FW 20100628 is compatible
 Old-platform models: only FW 20100320 is acceptable
 - : not available on camera
 *1: not available on software
 *2: not test on software



For multi stream support:

Yes: multi stream fix to 500kbps/100kbps
 Yes*: multi stream setting support in Crystal

For PTZ:

Yes*: Joystick support to control PTZ speed in Crystal

Bitrate list can not sync with camera web.

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Multi Stream Support	Remarks
DS-2CD8253F-EI	v4.0.3 build121123	H.264 MPEG4	1	1600x1200	-	-	-	Yes	Yes	-	
Note:	Not support audio but the clickbox is opened(cgi issue)										
DS-2CD8254F-EIS	V3.2 120105	H.264 MPEG4	1	2048x1536	1-way	1/1	Yes	Yes	Yes	Yes	
DS-2CD8264FWD-(EIS)	v4.0.3 build121123	H.264 MPEG4	1	1280x960	1-way	1/1	Yes	Yes	Yes	-	
Note:	PTZ can't work										
DS-2CD832F		H.264	1	704x576	1-way	1/1	Yes	Yes	Yes	-	Supported by design
DS-2CD832F-E		H.264	1	704x576	1-way	1/1	Yes	Yes	Yes	-	Supported by design
DS-2CD852MF-E	20100320	H.264	1	1600x1200	1-way	1/1	Yes	Yes	Yes	-	
DS-2CD853F-E	V3.2 120105	H.264 MPEG4	1	1600x1200	1-way	1/1	Yes	Yes	Yes	Yes	
DS-2CD854F-E	V3.2 120105	H.264 MPEG4	1	2048x1536	1-way	1/1	Yes	Yes	Yes	Yes	
DS-2CD862MF-E		H.264	1	1280x960	1-way	1/1	Yes	Yes	Yes	-	Supported by design
DS-2CD863PF-E	V2.0 100628	H.264	1	1280x960	1-way	1/1	Yes	Yes	-	-	Tested by manufacturer
DS-2CD864FWD-E	v4.0.3 build121123	H.264 MPEG4	1	1280x960	1-way	1/1	Yes	Yes	Yes	-	
Note:	DI can't work, G726 talk can't work, zoom in/out can't work										
DS-2CD883F-E	V3.2 120105	H.264 MPEG4	1	2560x1920	1-way	1/1	Yes	Yes	Yes	Yes	
Note:	1.DS-2CD8254F-EIS、DS-2CD853F-E、DS-2CD854F-E、DS-2CD883F-E can't set framerate 15~22 in Max resolution 2.DS-2CD8254F-EIS、DS-2CD854F-E、DS-2CD883F-E image broken when resolution over 1600x1200										
DS-2CD892NF		H.264	1	704x576	1-way	1/1	Yes	Yes	Yes	-	Supported by design
DS-2CD892NF-E		H.264	1	704x576	1-way	1/1	Yes	Yes	Yes	-	Supported by design
DS-2CD892NF-W		H.264	1	704x576	1-way	1/1	Yes	Yes	Yes	-	Supported by design

HIKVISION

multi stream fix to 500kbps/10

For PTZ:

Video	Max	I/O
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Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Multi Stream Support	Remarks
DS-2CD892PF		H.264	1	704x576	1-way	1/1	Yes	Yes	Yes	-	Supported by design
DS-2CD892PF-E		H.264	1	704x576	1-way	1/1	Yes	Yes	Yes	-	Supported by design
DS-2CD892PF-W		H.264	1	704x576	1-way	1/1	Yes	Yes	Yes	-	Supported by design
DS-2CD892N-IR1		H.264	1	704x576	1-way	1/1	Yes	Yes	Yes	-	Supported by design
DS-2CD892N-IR3		H.264	1	704x576	1-way	1/1	Yes	Yes	Yes	-	Supported by design
DS-2CD892N-IR5		H.264	1	704x576	1-way	1/1	Yes	Yes	Yes	-	Supported by design
DS-2CD892P-IR1		H.264	1	704x576	1-way	1/1	Yes	Yes	Yes	-	Supported by design
DS-2CD892P-IR3		H.264	1	704x576	1-way	1/1	Yes	Yes	Yes	-	Supported by design
DS-2CD892P-IR5		H.264	1	704x576	1-way	1/1	Yes	Yes	Yes	-	Supported by design
DS-2CD6362F-IVS	V5.0.9 build 141009	H.264	1	3072x2048	1-way	1/1	-	Yes	Yes	Yes*	
Note:	Fisheye camera 1. Not support MP2L2. (NUUO server limitation)										
DS-2CD6362F-I	Refer to DS-2CD6362F-IVS(V5.0.9 build	H.264 MJPEG	5	2048x2048	1-way	1/1	-	Yes	*2	Yes*	Supported by design
Note:	Fisheye camera with manual calibration in Crystal										
DS-2CD6362F-IV	Refer to DS-2CD6362F-IVS(V5.0.9 build 141009)	H.264 MJPEG	5	2048x2048	1-way	1/1	-	Yes	*2	Yes*	Supported by design
DS-2CD6362F-IS	Refer to DS-2CD6362F-IVS(V5.0.9 build 141009)	H.264 MJPEG	5	2048x2048	1-way	1/1	-	Yes	*2	Yes*	Supported by design
DS-2CD6332FWD-I	V5.4.14 build 160427	H.264	1	1536x1536	*2	-	-	*2	*2	Yes*	
Note:	Fisheye Camera 1. The actual resolution is 800*608 but the setting list will show 800*600 (Camera firmware issue)										

New-platform models: FW 20100628 is compatible
 Old-platform models: only FW 20100320 is acceptable
 - : not available on camera
 *1: not available on software
 *2: not test on software



For multi stream support:

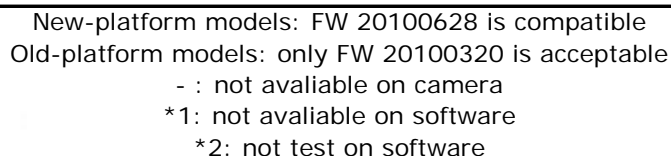
Yes: multi stream fix to 500kbps/100kbps
 Yes*: multi stream setting support in Crystal

For PTZ:

Yes*: Joystick support to control PTZ speed in Crystal

Bitrate list can not sync with camera web.

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Multi Stream Support	Remarks
DS-2CD6332FWD-IV	Refer to DS-2CD6362F-IVS(V5.0.9 build	H.264 MJPEG	5	2048x2048	1-way	1/1	-	Yes	*2	Yes*	Supported by design
Note:	Fishey camera with manual calibration in Crystal										
DS-2CD6332FWD-IS	Refer to DS-2CD6362F-IVS(V5.0.9 build 141009)	H.264 MJPEG	5	2048x2048	1-way	1/1	-	Yes	*2	Yes*	Supported by design
Note:	Fishey camera with manual calibration in Crystal										
DS-2CD6332FWD-IVS	Refer to DS-2CD6362F-IVS(V5.0.9 build 141009)	H.264 MJPEG	5	2048x2048	1-way	1/1	-	Yes	*2	Yes*	Supported by design
Note:	Fishey camera with manual calibration in Crystal										
DS-2DE7174-AE	Refer to DS-2DE7184-A(V5.3.9 build 150910)	H.264 MJPEG	1	1920x1080	*2	-	Yes*	Yes	*2	Yes*	Supported by design
DS-2DE7176-A	Refer to DS-2DE7176-D(V5.3.9 build 150910)	H.264	1	1280x960	*2	*2	Yes*	Yes	*2	Yes*	Supported by design
DS-2DE7176-D	V5.3.9 build 150910	H.264	1	1280x960	*2	*2	Yes*	Yes	*2	Yes*	
Note:	1.Bitrate list can not sync with camera web. (Camera Firmware issue) 2.Not support Flip/Mirror. (NUUO server limitation)										
DS-2DE7184-A	V5.3.9 build 150910	H.264	1	1920x1080	*2	-	Yes*	Yes	*2	Yes*	
Note:	1. Auto focus can't be used. (NUUO server limitation) 2. Audio codec via AAC can't be used. (NUUO server limitation)										
DS-2DF1-572	V4.1.2 build 121205	H.264	1	1280*720	1-way	1/1	Yes	Yes	-	Yes	
DS-2DF6236V-AEL	V5.3.2	H.264	1	1920x1080	1-way	7/2	-	Yes	Yes	Yes*	
Note:	1.Bitrate list can not sync with camera web. (Camera Firmware issue) 2.Not support Flip/Mirror. (NUUO server limitation)										
DS-2DF8223I-AEL	V5.2.8 build 150124	H.264 MPEG4	1	1920x1080	*2	*2	Yes*	*2	*2	Yes*	





- : not available on camera
 *1: not available on software
 *2: not test on software

For multi stream support:
 Yes: multi stream fix to 500kbps/100kbps
 Yes*: multi stream setting support

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Multi Stream Support	Remarks
ACUIX	1.5.6	MPEG4	1	4CIF	-	-	Yes	-	-	Yes	
Note:	Sometimes the PTZ function doesn't work properly due to camera FW; users have to restart to make it work. The speed of PTZ is not correspondent with camera web, which might be due to camera FW.										
H3D1F	40.0.6	H.264	1	1280x720	1-way	1/0	-	Yes	-	Yes	
Note:	To ensure compatibility with H3D1F1, H3D1F2, H3D1F3, H4D1F1, HCD1F, HCW1F, H3W1F1, H4W1F1, H3D1F2X, H3D1F3X, H4D1F1X, HCD1FX, HCW1FX, H3W1F1X or H4W1F1X, H3D1F must be selected to work with either model.										
H3D2F	40.0.6	H.264	1	1920x1080	1-way	1/0	Yes	Yes	-	Yes	
Note:	1. H3D2F: Only support Zoom, not support Pan and Tilt. 2. To ensure compatibility with H3D2F1X, H3D2F1, H4D2F1 or H4D2F1X, H3D2F must be selected to work with either model.										
HCD5541P	5.4.5	MPEG4	1	4CIF	1-way	0/1	-	-	-	Yes	
Note:	Disable input function due to camera FW.										
HCD5MIH	13.1.2	H.264 MJPEG	1	1280x720	1-way	1/1	-	Yes	-	Yes	
Note:	For integration issue not support TCP connection.										
HD3MDIH	11.0.3	H.264 MJPEG	1	1280x720	1-way	1/1	-	Yes	-	Yes	
Note:	For integration issue not support TCP connection.										
HD4MDIP	8.04	MPEG4	1	1280x720	1-way	-	-	Yes	-	Yes	
HD4MDIH	12.0.3	H.264 MJPEG	1	1280x720	1-way	1/1	-	Yes	-	Yes	
Note:	For integration issue not support TCP connection.										
HNVE1	6.3.4	MPEG4	1	4CIF	1-way	-	-	-	-	Yes	
Note:	Disable I/O function due to camera FW.										
HDZ20HDX	H20120808NSA	H.264 MJPEG	1	1920x1080	1-way	4/2	Yes	Yes	Yes	Yes	
HDZ20HDEX	Refer to HDZ20HDX(H20120808NSA)	H.264 MJPEG	1	1920x1080	1-way	4/2	Yes	Yes	Yes	Yes	Supported by design



- : not available on camera
*1: not available on software

*2: not test on software

For multi stream support:

Yes: multi stream fix to 500kbps/100kbps

Yes*: multi stream setting support

[illegible]

Innotech

- : not available on camera

*1: not available on software

*2: not test on software

For multi stream support:

Yes: multi stream fix to 500kbps/100kbps

Yes*: multi stream setting support

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	ONVIF Search	Multi Stream Support	Remarks
EXCA100IP2	v1.8.1001.3.5.25	H.264 MJPEG	1	1920x1080	1-way	-	-	Yes	-	*2	Yes	
Note:		1. Due to Onvif restriction, some frame rate and bit rates cannot be set.(Camera firmware issue) 2. motion event is not supported under MJPEG format.(Camera firmware issue)										
EXCA215IP2		H.264 MJPEG	1	1920x1080	1-way	-	-	Yes	-	*2	Yes	
EXCA336IP2		H.264 MJPEG	1	1920x1080	1-way	-	-	Yes	-	*2	Yes	
EXCA234IP2		H.264 MJPEG	1	1920x1080	1-way	-	-	Yes	-	*2	Yes	
EXCA234IP2WDR		H.264 MJPEG	1	1920x1080	1-way	-	-	Yes	-	*2	Yes	

IPcam

- : not available on camera
*1: not available on software
*2: not test on software

<p>For multi stream support:</p> <p>Yes: multi stream fix to 500kbps/100kbps</p> <p>Yes*: multi stream setting support</p>
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Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	ONVIF Search	Multi Stream Support	Remarks
NBL3102	03_C002	H.264 MJPEG	1	1920x1080	-	-	-	Yes	Yes	-	Yes*	Supported by design
Note:	1. Framerate is unable to achieve setting value in MJPEG 1920x1080. (Camera performance limitation)											
NBL7302	01_C020	H.264 H.265 MJPEG	1	1920x1080	1-way	2/2	Yes	Yes	Yes	-	Yes*	
Note:	1. H.265 starts from Crystal 3.2. 2. Audio has noise with AMR. (Camera Firmware issue) 3. Camera is unable to achieve maximum FPS. (Camera performance limitation) 4. Move can't not move to center. (Camera Firmware issue)											
NBL7305	Refer to B8520(01_C020)	H.264 H.265 MJPEG	1	2560x1920	1-way	2/2	Yes	Yes	Yes	-	Yes*	Supported by design
Note:	1. H.265 starts from Crystal 3.2.											
NDM3102	03_C002	H.264 MJPEG	1	1920x1080	-	-	-	Yes	Yes	-	Yes*	Supported by design
Note:	1. Framerate is unable to achieve setting value in MJPEG 1920x1080. (Camera performance limitation)											
NDM5302	Refer to Zavio D8210(02_	H.264 MJPEG	1	1920x1080	1-way	2/2	Yes	Yes	Yes	-	Yes*	Supported by design
Note:	1. Audio has noise with AMR. (Camera Firmware issue) 2. Camera with highest resolution is unable to achieve maximum FPS. (Camera performance limitation) 3.PTZ only support zoom & focus.											
NDM7302	01_C020	H.264 H.265 MJPEG	1	1920x1080	1-way	2/2	Yes	Yes	Yes	-	Yes*	
Note:	1. H.265 starts from Crystal 3.2. 2. Audio has noise. (Camera Firmware issue) 3. G.726 does not supported. (NUUO server limitation)											
NDM7305	Refer to B8520(01_C020)	H.264 H.265 MJPEG	1	2560x1920	1-way	2/2	Yes	Yes	Yes	-	Yes*	Supported by design
Note:	1. H.265 starts from Crystal 3.2.											
NBL5103	01_C013	H.264 H.265 MJPEG	1	2048x1536	-	-	-	Yes	Yes	-	Yes*	Supported by design
Note:	1. H.265 starts from Crystal 3.2. 2. Display mosaic happen in 2304x1296 MJPEG. (Camera performance limitation) 3. Quality list can not sync with web. (Camera Firmware issue) 4. Bitrate list can not sync with web in MJPEG. (Camera Firmware issue)											
NDM5103	01_C013	H.264 H.265 MJPEG	1	2048x1520	-	-	-	Yes	Yes	-	Yes*	Supported by design
Note:	1. H.265 starts from Crystal 3.2. 2. Display mosaic happen in 2304x1296 MJPEG. (Camera performance limitation) 3. Quality list can not sync with web. (Camera Firmware issue) 4. Bitrate list can not sync with web in MJPEG. (Camera Firmware issue)											



- : not available on camera
*1: not available on software
*2: not test on software
For multi stream support:
Yes: multi stream fix to 500kbps/100kbps
Yes*: multi stream setting support in Crystal
For PTZ:
Yes*: Joystick support to control PTZ speed in Crystal

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	ONVIF Search	Multi Stream Support	Remarks
Generic		H.264 M-JPEG	1	2592x1920	1-way	1/1	Yes	Yes	-	-	Yes	Supported by design
Note:	1.Focus function is not test on software. 2.The maximum resolution is depends on camera. 3.Some framerate and bitrate can't be set due to Onvif restriction.											
NCOA22F	refer to NCOA52F(v1.8.1001.85.0.8317)	H.264 MJPEG	1	2592x1944	1-way	1/1	Yes	Yes	Yes	Yes	Yes*	Supported by design
NCOA32FD	refer to NCOA52F(v1.8.1001.85.0.8317)	H.264 MJPEG	1	2592x1944	1-way	1/1	Yes	Yes	Yes	Yes	Yes*	Supported by design
NCOA52F	v1.8.1001.85.0.8317	H.264 MJPEG	1	2592x1944	1-way	1/1	Yes	Yes	Yes	Yes	Yes*	
Note:	1. Camera with high resolution and quality is unable to achieve max fps. (Camera performance limitation) 2. The range of bitrate isn't synchronized with the one on camera's web due to Onvif restriction. (Camera performance limitation) 3. The list of framerate isn't synchronized with the one on camera's web due to Onvif restriction. (Camera performance limitation)											
NDOA22F-W	refer to NCOA52F(v1.8.1001.85.0.8317)	H.264 MJPEG	1	2592x1944	1-way	1/1	Yes	Yes	Yes	Yes	Yes*	Supported by design
NDOA32FD-W	refer to NCOA52F(v1.8.1001.85.0.8317)	H.264 MJPEG	1	2592x1944	1-way	1/1	Yes	Yes	Yes	Yes	Yes*	Supported by design
NIAA202F	refer to NCOA52F(v1.8.1001.85.0.8317)	H.264 MJPEG	1	2592x1944	1-way	1/1	Yes	Yes	Yes	Yes	Yes*	Supported by design
NIDA212F-W	refer to NCOA52F(v1.8.1001.85.0.8317)	H.264 MJPEG	1	2592x1944	1-way	1/1	Yes	Yes	Yes	Yes	Yes*	Supported by design
NIDA312FD-W	refer to NCOA52F(v1.8.1001.85.0.8317)	H.264 MJPEG	1	2592x1944	1-way	1/1	Yes	Yes	Yes	Yes	Yes*	Supported by design
NIDA512F-W	refer to NCOA52F(v1.8.1001.85.0.8317)	H.264 MJPEG	1	2592x1944	1-way	1/1	Yes	Yes	Yes	Yes	Yes*	Supported by design



- : not available on camera
*1: not available on software
*2: not test on software
For multi stream support:
Yes: multi stream fix to 500kbps/100kbps
Yes*: multi stream setting support in Crystal
For PTZ:
Yes*: Joystick support to control PTZ speed in Crystal

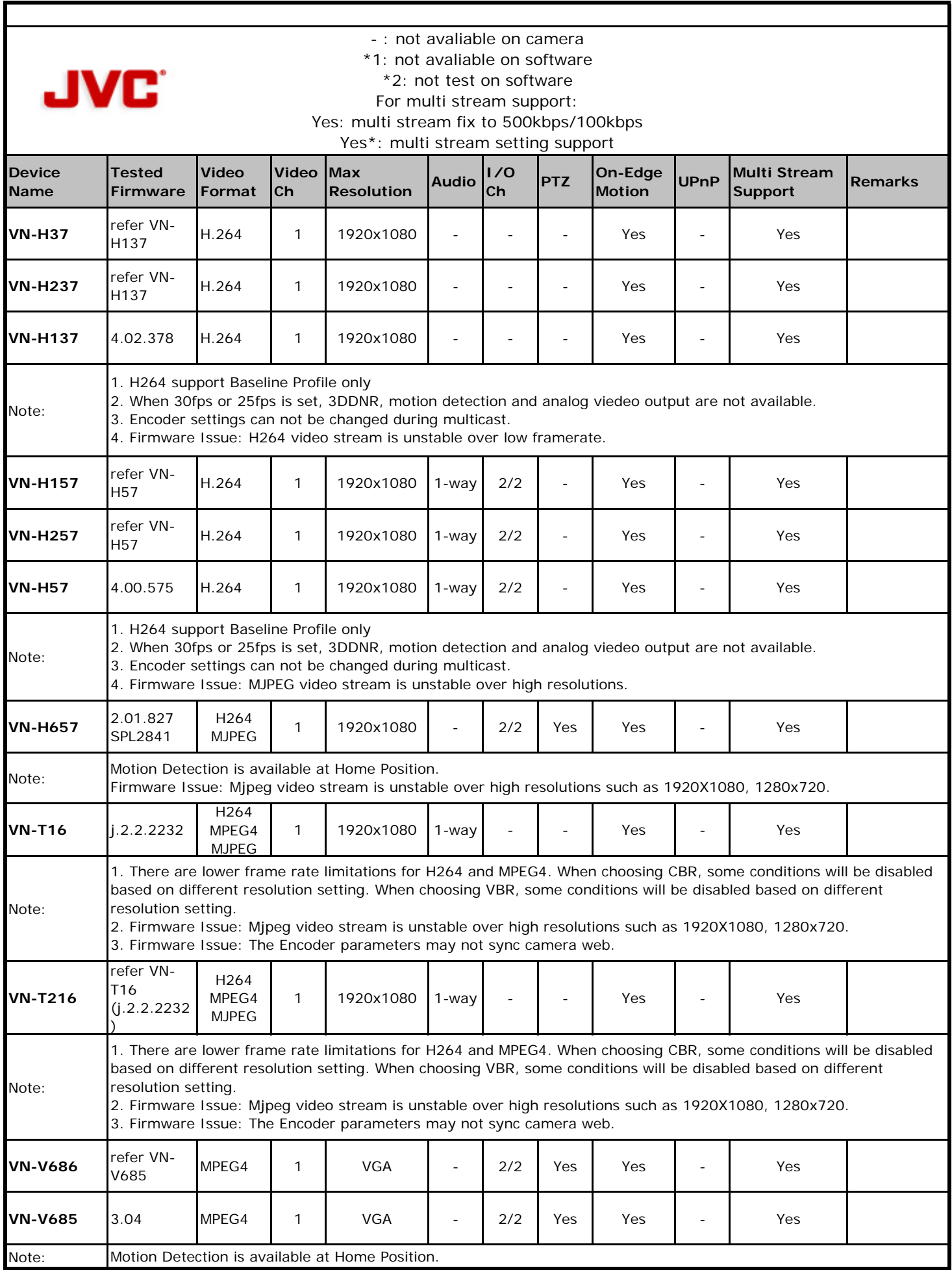
Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	ONVIF Search	Multi Stream Support	Remarks
NIPA2H22-C	refer to NCOA52F(v1.8.1001.85.0.8317)	H.264 MJPEG	1	2592x1944	1-way	1/1	Yes	Yes	Yes	Yes	Yes*	Supported by design
NIPA2H22-W	refer to NCOA52F(v1.8.1001.85.0.8317)	H.264 MJPEG	1	2592x1944	1-way	1/1	Yes	Yes	Yes	Yes	Yes*	Supported by design
NIRA222F	refer to NCOA52F(v1.8.1001.85.0.8317)	H.264 MJPEG	1	2592x1944	1-way	1/1	Yes	Yes	Yes	Yes	Yes*	Supported by design
NIRA232F	refer to NCOA52F(v1.8.1001.85.0.8317)	H.264 MJPEG	1	2592x1944	1-way	1/1	Yes	Yes	Yes	Yes	Yes*	Supported by design
NIRA332FD	refer to NCOA52F(v1.8.1001.85.0.8317)	H.264 MJPEG	1	2592x1944	1-way	1/1	Yes	Yes	Yes	Yes	Yes*	Supported by design
NITA212F	refer to NCOA52F(v1.8.1001.85.0.8317)	H.264 MJPEG	1	2592x1944	1-way	1/1	Yes	Yes	Yes	Yes	Yes*	Supported by design
NITA312FD	refer to NCOA52F(v1.8.1001.85.0.8317)	H.264 MJPEG	1	2592x1944	1-way	1/1	Yes	Yes	Yes	Yes	Yes*	Supported by design

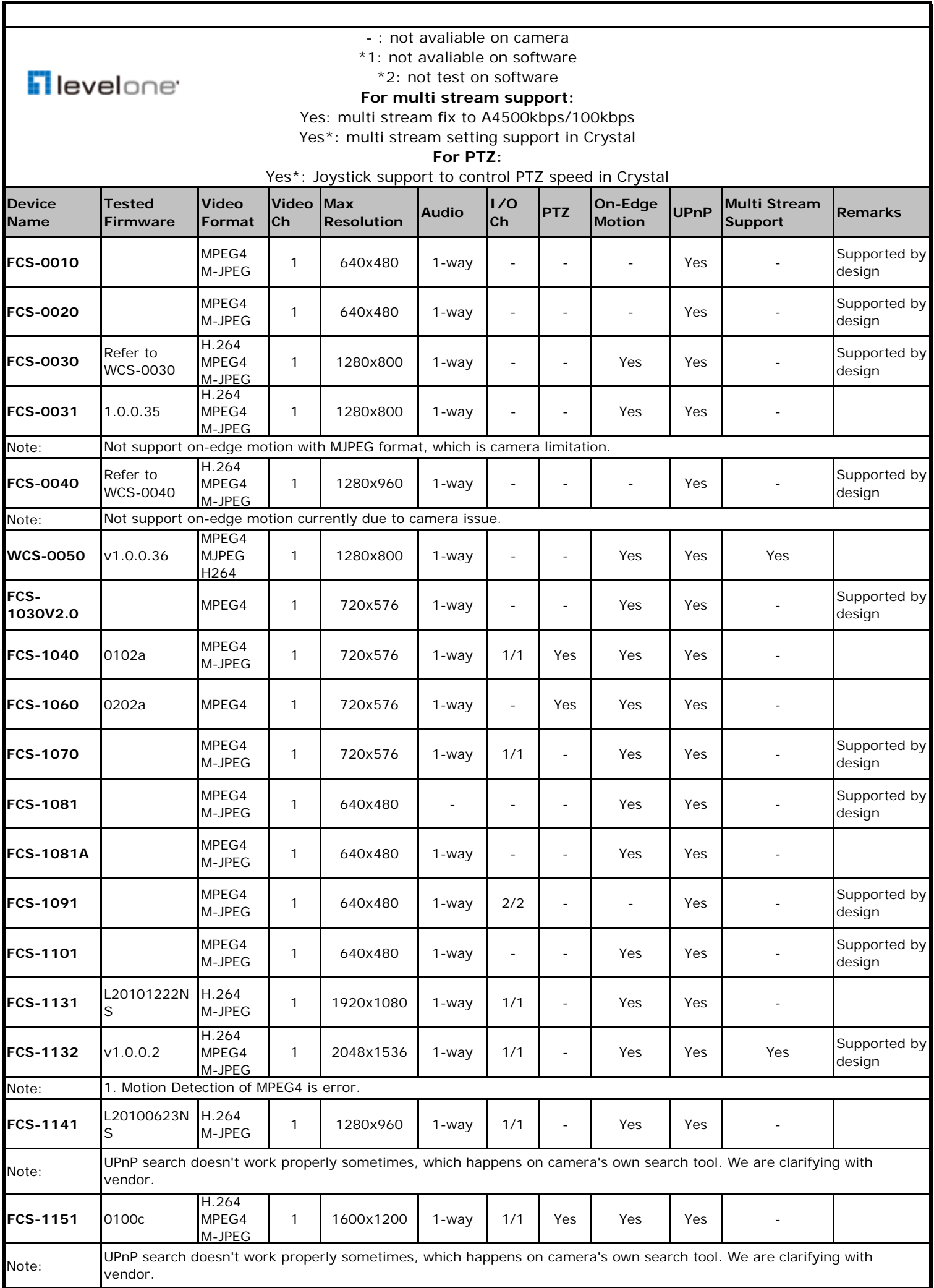


- : not available on camera
 *1: not available on software
 *2: not test on software

For multi stream support:
 Yes: multi stream fix to 500kbps/100kbps
 Yes*: multi stream setting support

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Multi Stream Support	Remarks
JS-C1100		H.264 M-JPEG MPEG4	1	1280x800	1-way	-	-	Yes	Yes	Yes	Supported by design
JS-C2100		H.264 M-JPEG MPEG4	1	1280x800	1-way	-	-	Yes	Yes	Yes	Supported by design
JS-WGP-100-CB		H.264 M-JPEG MPEG4	1	1280x800	1-way	-	-	Yes	Yes	Yes	Supported by design
JS-B0100		H.264 M-JPEG MPEG4	1	1280x800	1-way	1/0	-	Yes	Yes	Yes	Supported by design
JS-B0100-W		H.264 M-JPEG MPEG4	1	1280x800	1-way	1/0	-	Yes	Yes	Yes	Supported by design
JS-B0131		M-JPEG MPEG4	1	1280x800	1-way	1/0	-	Yes	Yes	Yes	Supported by design
JS-BB1100-R30		H.264 M-JPEG MPEG4	1	1280x800	1-way	1/0	-	Yes	Yes	Yes	Supported by design
JS-B1100		H.264 M-JPEG MPEG4	1	1280x800	1-way	1/0	-	Yes	Yes	Yes	Supported by design
JB-B1204-R25		H.264 M-JPEG MPEG4	1	1920x1080	1-way	1/1	-	Yes	Yes	Yes	Supported by design
JS-D0100		H.264 M-JPEG MPEG4	1	1280x800	1-way	-	-	Yes	Yes	Yes	Supported by design
JS-D1100		H.264 M-JPEG MPEG4	1	1280x800	1-way	1/0	-	Yes	Yes	Yes	Supported by design
JS-D1130		M-JPEG MPEG4	1	1280x800	1-way	1/0	-	Yes	Yes	Yes	Supported by design
JS-D1204		H.264 M-JPEG MPEG4	1	1920x1080	1-way	1/1	-	Yes	Yes	Yes	Supported by design
JS- ISD0200x18		H.264 M-JPEG MPEG4	1	1920x1080	1-way	4/2	Yes	Yes	Yes	Yes	Supported by design
JS- OSD0200x20		H.264 M-JPEG MPEG4	1	1920x1080	1-way	4/2	Yes	Yes	Yes	Yes	Supported by design







- : not available on camera
*1: not available on software
*2: not test on software

For multi stream support:

Yes: multi stream fix to A4500kbps/100kbps

Yes*: multi stream setting support in Crystal

For PTZ:

Yes*: Joystick support to control PTZ speed in Crystal

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Multi Stream Support	Remarks
FCS-3000	0101a	MPEG4 M-JPEG	1	720x576	1-way	1/1	-	Yes	Yes	-	
FCS-3021		MPEG4 M-JPEG	1	720x576	1-way	1/1	-	Yes	Yes	Yes	Supported by design
FCS-3031	V1.0.04	MPEG4 M-JPEG	1	640x480	1-way	1/1	-	-	Yes	-	
Note:	The frame rate is 15 even configuring frame rate 1 under 320x240 and 160x120 resolution, which belongs to camera issue. Not support on-edge motion currently due to camera issue.										
FCS-3052	v1.0.0.2	H.264 MPEG4 M-JPEG	1	2048x1536	1-way	1/1	-	Yes	Yes	Yes	Supported by design
Note:	1. Motion Detection of MPEG4 is error.										
FCS-3061	1.0.0.34	H.264 MPEG4 M-JPEG	1	1280x800	1-way	1/1	-	Yes	Yes	-	
FCS-3062	v1.0.0.6	MPEG4 M-JPEG H.264	1	1920x1080	1-way	1/1	-	Yes	Yes	Yes	
FCS-3071	L20101222N S	H.264 M-JPEG	1	1920x1080	1-way	-	-	Yes	Yes	-	
FCS-3071-V2	le20120905N SA	H.264 M-JPEG	1	1920x1080	-	-	-	Yes	Yes	Yes	
FCS-3081	L20101222N S	H.264 M-JPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	-	
FCS-3091	2.0.0629	MPEG4 M-JPEG	1	1600x1200	1-way	4/1	-	-	Yes	-	
Note:	Not support on-edge motion & dual stream in this camera FW due to its limitation.										
FCS-3101	FCS-3101- ANC3211M- 1.0.1.3-08- 07	H.264 MPEG4 M-JPEG	1	1920x1080	1-way	-	-	Yes	Yes	Yes	
FCS-4010		MPEG4 M-JPEG	1	720x576	1-way	4/1	Yes	Yes	Yes	Yes	Supported by design
FCS-4041	le20130117N SA	M-JPEG H.264	1	1920x1080	1-way	4/2	Yes	Yes	Yes	Yes	Supported by design
Note:	LevelOne FCS-4041: High video parameter causes slow CGI command response.										
FCS-4042	le20140113 NSA	M-JPEG H.264	1	1920x1080	1-way	4/2	Yes	Yes	Yes	Yes	
Note:	1. FPS could not reach up to 30 while high quality. 2. Preset name use special symbol failed ex: # 3. High video parameter causes slow CGI command response										
FCS-4101	FCS-4101- ANC3210M- 1.0.1.3-08- 07	H.264 MPEG4 M-JPEG	1	1920x1080	1-way	-	Yes	Yes	Yes	Yes	
FCS-4x00		MPEG4 M-JPEG	1	704x576	1-way	1/1	Yes	Yes	Yes	-	Supported by design



- : not available on camera
 *1: not available on software
 *2: not test on software

For multi stream support:

Yes: multi stream fix to A4500kbps/100kbps

Yes*: multi stream setting support in Crystal

For PTZ:

Yes*: Joystick support to control PTZ speed in Crystal

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Multi Stream Support	Remarks
FCS-5011	0100c	MPEG4 M-JPEG	1	720x480	1-way	1/1	-	Yes	Yes	Yes	
FCS-5030	0100a2	MPEG4 M-JPEG	1	720x576	1-way	1/1	-	Yes	Yes	Yes	
Note:	No audio support in M-JPEG.										
FCS-5041	1.0.0.46	H.264 MPEG4 M-JPEG	1	1280x800	1-way	1/1	-	Yes	Yes	-	
FCS-5042	2.0.0.1	H.264 MPEG4 M-JPEG	1	1920x1080	1-way	1/0	Yes	Yes	Yes	Yes	
FCS-5051	L20101222N S	H.264 M-JPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	-	
FCS-5052	v1.0.0.2	H.264 MPEG4 M-JPEG	1	2048x1536	1-way	1/1	-	Yes	Yes	Yes	
Note:	1. Motion Detection of MPEG4 is error.										
FCS-5061	le20130117N SA	H264 MJPEG	1	2592x1944	1-way	1/1	-	Yes	Yes	Yes	
FCS-5062	v1.0.0.2	H.264 MPEG4	1	2592x1944	1-way	1/1	-	Yes	Yes	Yes	
Note:	1. Motion Detection of MPEG4 is error.										
FCS-6010	1.0.0.11	H.264 MPEG4 M-JPEG	1	1280x800	1-way	1/0	Yes	Yes	Yes	-	
Note:	Not support DO in this camera FW. Cannot get video stream through TCP/UDP sometimes, which belongs to camera issue. Camera may reboot itself when changing video format to MPEG4, which belongs to camera issue.										
FCS-7011		MPEG4 M-JPEG	1	640x480	1-way	1/1	Yes	Yes	Yes	-	Supported by design
SDK8	CFA- V6.07.23-L1	H264 MJPEG	1	3648x2736	1-way	1/1	Yes	Yes	-	Yes*	Supported by design
WCS-0010		MPEG4 M-JPEG	1	640x480	1-way	-	-	-	Yes	-	Supported by design
WCS-0020		MPEG4 M-JPEG	1	640x480	1-way	-	Yes	-	Yes	-	Supported by design
WCS-0030	1.0.0.35	H.264 MPEG4 M-JPEG	1	1280x800	1-way	-	-	Yes	Yes	-	
WCS-0040	1.0.0.3	H.264 MPEG4 M-JPEG	1	1280x960	1-way	-	-	-	Yes	-	
Note:	Not support on-edge motion currently due to camera issue.										
WCS-1090		MPEG4 M-JPEG	1	640x480	1-way	2/2	-	-	Yes	-	Supported by design
WCS-2030V3.0		MPEG4	1	720x576	1-way	-	-	Yes	Yes	-	Supported by design



- : not available on camera
*1: not available on software
*2: not test on software

For multi stream support:

Yes: multi stream fix to A4500kbps/100kbps

Yes*: multi stream setting support in Crystal

For PTZ:

Yes*: Joystick support to control PTZ speed in Crystal

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Multi Stream Support	Remarks
WCS-2040	0101b	MPEG4 M-JPEG	1	704x576	1-way	1/1	Yes	Yes	Yes	-	
WCS-2060		MPEG4	1	720x576	1-way	-	-	Yes	Yes	-	Supported by design
WCS-2070	0100b	MPEG4 M-JPEG	1	720x576	1-way	1/1	-	Yes	Yes	-	
WCS-6020	1.1.4.1	MJPEG MPEG4 H.264	1	1920x1080	1-way	1/1	Yes	Yes	Yes	Yes	
WCS-6050	1.0.4.2	MJPEG H.264	1	2560x1920	1-way	1/1	Yes	Yes	Yes	Yes	



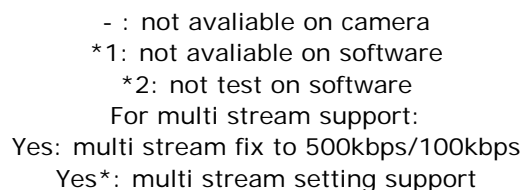
- : not available on camera
 *1: not available on software
 *2: not test on software
 For multi stream support:
 Yes: multi stream fix to 500kbps/100kbps
 Yes*: multi stream setting support

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Multi Stream Support	Remarks
LDW2010	260.0.0.1208100	H.264 MJPEG	1	D1	1-way	1/1	-	Yes	-	Yes	
LNB3100	Refer to LND5100	H.264 MJPEG	1	1280x1024	1-way	1/1	-	Yes	-	Yes	
LNB5100	Refer to LND5100	H.264 MJPEG	1	1280x1024	1-way	1/1	-	Yes	-	Yes	
LND3100	Refer to LND5100	H.264 MJPEG	1	1280x1024	1-way	1/1	-	Yes	-	Yes	
LND5100	1796.0.0.1208060	H.264 MJPEG	1	1280x1024	1-way	1/1	-	Yes	-	Yes	
Note:	TCP connection has chance disconnect automatically										
LND7210	Refer to LNV7210R(xxx.0.0.1405190)	H.264 MJPEG	1	1920x1080	1-way	*2	-	Yes	*2	Yes	Supported by design
LND7210R	Refer to LNV7210R(xxx.0.0.1405190)	H.264 MJPEG	1	1920x1080	1-way	*2	-	Yes	*2	Yes	Supported by design
LND7300	1801.0.0.1303220	H.264 MJPEG	1	2048x1536	*2	*2	-	Yes	-	Yes	
LNP2800	Refer to LNP3700T	H.264 MJPEG	1	D1	1-way	4/2	Yes	Yes	-	Yes	
LNP2800I	Refer to LNP3700T	H.264 MJPEG	1	D1	1-way	4/2	Yes	Yes	-	Yes	
LNP2810T	1890.0.0.1302150	H.264 MJPEG	1	1280x720	*2	*2	Yes	Yes	-	Yes	
LNP3020	1891.0.0.1411270	H.264 MJPEG	1	1920x1080	*2	*2	Yes*	Yes	*2	Yes	
Note:	1.The 2nd stream's frame rate will exceed the setting value (Camera limitation).										
LNP3700	Refer to LNP3700T	H.264 MJPEG	1	D1	1-way	4/2	Yes	Yes	-	Yes	
LNP3700T	1286.0.0.1205140	H.264 MJPEG	1	D1	1-way	4/2	Yes	Yes	-	Yes	
Note:	TCP connection has chance disconnect automatically										
LNU5100R	1954.0.0.1303120	H.264 MJPEG	1	1280x1024	*2	*2	-	Yes	-	Yes	
LNU7210R	Refer to LNV7210R(xxx.0.0.1405190)	H.264 MJPEG	1	1920x1080	1-way	*2	-	Yes	*2	Yes	Supported by design
LNV5100	Refer to LND5100	H.264 MJPEG	1	1280x1024	1-way	1/1	-	Yes	-	Yes	
LNV5100R	1972.0.0.1303110	H.264 MJPEG	1	1280x1024	*2	*2	-	Yes	-	Yes	
LNV7210	Refer to LNV7210R(xxx.0.0.1405190)	H.264 MJPEG	1	1920x1080	1-way	*2	-	Yes	*2	Yes	Supported by design



- : not available on camera
 *1: not available on software
 *2: not test on software
 For multi stream support:
 Yes: multi stream fix to 500kbps/100kbps
 Yes*: multi stream setting support

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Multi Stream Support	Remarks
LNV7210R	2237.0.0.1405190	H.264 MJPEG	1	1920x1080	1-way	*2	-	Yes	*2	Yes	
Note:	Unable to set video parameter (brightness...etc)										
LNV7300	Refer to LND7300(FW 1801.0.0.130)	H.264 MJPEG	1	2048x1536	*2	*2	-	Yes	-	Yes	
LSW2010	Refer to LDW2010	H.264 MJPEG	1	D1	1-way	1/1	-	Yes	-	Yes	Supported by design
LSW900	Refer to LVW701	H.264 MJPEG	1	D1	1-way	1/1	-	Yes	-	Yes	Supported by design
LSW901	Refer to LVW701	H.264 MJPEG	1	D1	1-way	1/1	-	Yes	-	Yes	Supported by design
LVS201	385.0.0.1208200	H.264 MJPEG	1	704x576	-	-	Yes	Yes	-	Yes	
LVS301	Refer to LVS311	H.264 MJPEG	1	704x576	1-way	1/1	Yes	Yes	-	Yes	Supported by design
LVS311	129.1.0.1110260	H.264 MJPEG	1	704x576	1-way	1/1	Yes	Yes	-	Yes	
LVW700	Refer to LVW701	H.264 MJPEG	1	D1	1-way	1/1	-	Yes	-	Yes	Supported by design
LVW701	4.1.1.1110260	H.264 MJPEG	1	D1	1-way	1/1	-	Yes	-	Yes	
LVW900	Refer to LVW701	H.264 MJPEG	1	D1	1-way	1/1	-	Yes	-	Yes	Supported by design
LVW901	Refer to LVW701	H.264 MJPEG	1	D1	1-way	1/1	-	Yes	-	Yes	Supported by design
LNV5110	Refer to LND5100	H.264 MJPEG	1	1280x1024	1-way	1/1	-	Yes	-	Yes	
LW130W	4097.0.0.1203131	H.264 MJPEG	1	1280x720	1-way	1/1	-	Yes	-	Yes	
Note:	TCP connection has chance disconnect automatically										
LW332	1026.0.0.1110260	H.264 MJPEG	1	1280x1024	1-way	1/1	-	YES	-	Yes	
LW335	Refer to LW332	H.264 MJPEG	1	1280x1024	1-way	1/1	-	Yes	-	Yes	
LW342	Refer to LW345	H.264 MJPEG	1	1920x1080	1-way	1/1	-	Yes	-	Yes	
LW345	515.0.0.1110260	H.264 MJPEG	1	1920x1080	1-way	1/1	-	Yes	-	Yes	
Note:	1. TCP connection has chance disconnect automatically 2. Can't support dual-stream at H264,1920x1080 (or above), over 20fps										
LW352	1030.0.0.1111160	H.264 MJPEG	1	2040x1536	1-way	1/1	-	Yes	-	Yes	
LW355	Refer to LW352	H.264 MJPEG	1	2040x1536	1-way	1/1	-	Yes	-	Yes	Supported by design


[illegible]



For multi stream support:
 Yes: multi stream fix to 500kbps/100kbps
 Yes*: multi stream setting support

[illegible]

[illegible]

<div>  <div> - : not available on camera *1: not available on software *2: not test on software For multi stream support: Yes: multi stream fix to 500kbps/100kbps Yes*: multi stream setting support </div> </div>											
Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Multi Stream Support	Remarks
NDF820	Refer to NCR870(AP_01-00-62-18_MS00-01N)	H.264 MJPEG MPEG4	1	1920x1080	-	-	-	Yes	Yes	Yes	Supported by design
Note:	1.Set parameter will take 10 sec or more to setup. 2.Get parameter may wrong after set parameter. 3.The setting of framerate is 30, but actual receiving framerate is only 15.										
NDF821	Refer to NDR891(AP_01-00-60-25A_MS02)	H.264 MJPEG MPEG4	1	1920x1080	1-way	2/1	-	Yes	Yes	Yes	Supported by design
NDF821PRO	Refer to NCR875PRO(AP_01-00-60-25A_MS03)	H.264 MJPEG MPEG4	1	1920x1080	1-way	2/1	-	Yes	Yes	Yes	Supported by design
NDF831	Refer to NDR891(AP_01-00-60-25A_MS02)	H.264 MJPEG MPEG4	1	1920x1080	1-way	2/1	-	Yes	Yes	Yes	Supported by design
NDF831PRO	Refer to NCR875PRO(AP_01-00-60-25A_MS03)	H.264 MJPEG MPEG4	1	1920x1080	1-way	2/1	-	Yes	Yes	Yes	Supported by design
NDR891	AP_01-00-60-25A_MS02	H264, MJPEG, MPEG4	1	1920x1080	1-way	2/1	-	Yes	Yes	Yes	
Note	1.Set parameter will take 10 sec or more to setup 2.Get parameter may wrong after set parameter 3.Broken textures on connected in 1~4sec at MPEG4 4.Not support auto detection 5.Setup bit rate of MPEG4 will response wrong parameter										
NDR891PRO	Refer to NCR875PRO(AP_01-00-60-25A_MS03)	H.264 MJPEG MPEG4	1	1920x1080	1-way	2/1	-	Yes	Yes	Yes	Supported by design
NIC950HPRO	A1D-310-V4.12.09-NB	MPEG4 M-JPEG H.264	1	720x480	1-way*2	-	Yes	Yes	-	Yes	
Note	1.Not support UPnP 2.Not support auto detection 3.Not support motion detection on MJPEG 4.Not support DI and DO										
NIC990	M.0.2.9	H.264	1	1920x1080	1-way	6/1	Yes	Yes	Yes	Yes	
Note	1.Can't set framerate 2.Only support H.264 3.Not support dual stream on 1080P										



- : not available on camera

*1: not available on software

*2: not test on software

For multi stream support:

Yes: multi stream fix to 500kbps/100kbps

Yes*: multi stream setting support

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Multi Stream Support	Remarks
HD-PRO302DN	DC Standard	H.264 MJPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	-	Supported by design
HD-PRO310DNW	mw20140703NSA	H.264 M-JPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	Yes	Supported by design
HD-PRO332DNW	mw20140703NSA	H.264 M-JPEG	1	1920x1080	1-way	1/1	Yes	Yes	Yes	Yes	Supported by design
HD-PRO350DNW	mw20140703NSA	H.264 M-JPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	Yes	Supported by design
HD-PRO350DNW/H	mw20140703NSA	H.264 M-JPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	Yes	Supported by design
HD-PRO350DNW/IR	mw20140703NSA	H.264 M-JPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	Yes	Supported by design
HD-PRO350DNW/IR/H	mw20140703NSA	H.264 M-JPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	Yes	Supported by design
HD-PRO351DNW/H	mw20140703NSA	H.264 M-JPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	Yes	Supported by design
HD-PRO351DNW/IR/H	mw20140703NSA	H.264 M-JPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	Yes	Supported by design
HD-PRO352DNW	mw20140703NSA	H.264 M-JPEG	1	2592x1944	1-way	1/1	Yes	Yes	Yes	Yes	Supported by design
HD-PRO352DNW/IR	mw20140703NSA	H.264 M-JPEG	1	2592x1944	1-way	1/1	Yes	Yes	Yes	Yes	Supported by design
HD-PRO370W	mw20140703NSA	H.264 M-JPEG	1	1920x1080	1-way	-	-	Yes	Yes	Yes	Supported by design
HD-PRO370WOUT	mw20140703NSA	H.264 M-JPEG	1	1920x1080	1-way	-	-	Yes	Yes	Yes	Supported by design
HD-PRO392DNW/V	mw20140703NSA	H.264 M-JPEG	1	1920x1080	1-way	1/1	Yes	Yes	Yes	Yes	Supported by design
HD-PRO410DNW/H	mw20140703NSA	H.264 M-JPEG	1	1920x1080	1-way	1/1	Yes	Yes	Yes	Yes	Supported by design
HD-PRO410DNW/H-POE	mw20140703NSA	H.264 M-JPEG	1	1920x1080	1-way	1/1	Yes	Yes	Yes	Yes	Supported by design
HD-PRO518DN	mw20140703NSA	H.264 MJPEG	1	1920x1080	1-way	4/2	Yes	Yes	Yes	-	Supported by design
HD-PRO610DNW	mw20140703NSA	H.264 M-JPEG	1	2048x1536	1-way	1/1	Yes	Yes	Yes	Yes	Supported by design
HD-PRO692DNW/V/IR	mw20140703NSA	H.264 M-JPEG	1	1920x1080	1-way	1/1	Yes	Yes	Yes	Yes	Supported by design
HD-PRO710DNW	mw20140703NSA	H.264 M-JPEG	1	2592x1944	1-way	1/1	-	Yes	Yes	Yes	Supported by design
HD-PRO750DNW	mw20140703NSA	H.264 M-JPEG	1	2592x1944	1-way	1/1	Yes	Yes	Yes	Yes	Supported by design

HD-PRO750DNW/IR	mw20140703NSA	H.264 M-JPEG	1	2592x1944	1-way	1/1	Yes	Yes	Yes	Yes	Supported by design
HD-PRO810DNW/H	mw20140703NSA	H.264 M-JPEG	1	2592x1944	1-way	1/1	Yes	Yes	Yes	Yes	Supported by design
HD-PRO810DNW/H/M	mw20140703NSA	H.264 M-JPEG	1	2592x1944	1-way	1/1	Yes	Yes	Yes	Yes	Supported by design
HD-PRO890	mw20140703NSA	H.264, MJPEG	1	2592x1944	1-way	1/1	-	Yes	Yes	Yes	Supported by design
HD-PRO890/OUT	mw20140703NSA	H.264, MJPEG	1	2592x1944	1-way	1/1	-	Yes	Yes	Yes	Supported by design



- : not available on camera
 *1: not available on software
 *2: not test on software

For multi stream support:

Yes: multi stream fix to A4500kbps/100kbps

Yes*: multi stream setting support in Crystal

For PTZ:

Yes*: Joystick support to control PTZ speed in Crystal

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Multi Stream Support	Remarks
C25	Refer to i25(4.3.2.77)	MJPEG MxPEG	1	2592x1944	1-way	-	-	Yes	-	Yes*	Supported by design
D12D-IT		M-JPEG MxPeg	1	640x480	-	-	-	Yes	-	Yes	Supported by design
D12D-Sec		M-JPEG MxPeg	1	2048x1536	-	-	-	Yes	-	Yes	Supported by design
D14D-Sec	MX-V4.1.0.2	M-JPEG MxPeg	1	2048x1536	1-way	-	-	-	-	Yes	
D15D-Sec	Refer to D15D-Sec-Dnight(MX-V4.1.9.29)	M-JPEG MxPeg	1	2048x1536	1-way	2/2	-	Yes	-	Yes*	Supported by design
D15D-Sec-Dnight	MX-V4.1.9.29	M-JPEG MxPeg	1	2048x1536	1-way	2/2	-	Yes	-	Yes*	
D15D-Sec-Night-Pano	Refer to D15D-Sec-Dnight(MX-V4.1.9.29)	M-JPEG MxPeg	1	2048x1536	1-way	2/2	-	Yes	-	Yes*	Supported by design
D15D-Sec-Pano	Refer to D15D-Sec-Dnight(MX-V4.1.9.29)	M-JPEG MxPeg	1	2048x1536	1-way	2/2	-	Yes	-	Yes	Supported by design
D22M-Basic		M-JPEG MxPeg	1	640x480	-	-	-	Yes	-	Yes	Supported by design
D22M-IT	MX-V3.4.0.9	M-JPEG MxPeg	1	640x480	-	2/2	-	Yes	-	Yes	Supported by design
D22M-Sec		M-JPEG MxPeg	1	2048x1536	-	-	-	Yes	-	Yes	Supported by design
D24-Basic		M-JPEG MxPeg	1	640x480	-	-	-	Yes	-	Yes	Supported by design
D24-IT		M-JPEG MxPeg	1	640x480	-	-	-	Yes	-	Yes	Supported by design
D24-Sec	MX-V4.0.1.15 (2009-07-20)	M-JPEG MxPeg	1	2048x1536	-	2/2	-	Yes	-	Yes	
i25	4.3.2.77	MJPEG MxPEG	1	2592x1944	1-way	-	-	Yes	-	Yes*	
Note:	1.Audio only support under MxPEG.(Camera Firmware Issue) 2.The max framerate we get only 12 frame per second.(Camera Firmware Issue)										
Generic	MX-V4.1.9.29	M-JPEG MxPeg	1	2048x1536	1-way	2/2	-	Yes	-	Yes	
M10D	M10-V2.2.2.17	M-JPEG MxPeg	1	2048x1536	-	-	-	Yes	-	Yes	
M12D-IT		M-JPEG MxPeg	1	640x480	-	-	-	Yes	-	Yes	Supported by design



- : not available on camera
 *1: not available on software
 *2: not test on software

For multi stream support:

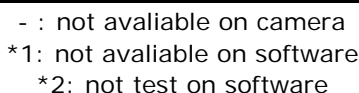
Yes: multi stream fix to A4500kbps/100kbps

Yes*: multi stream setting support in Crystal

For PTZ:

Yes*: Joystick support to control PTZ speed in Crystal

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Multi Stream Support	Remarks
M12D-Sec	MX-V3.4.0.9	M-JPEG MxPeg	1	2048x1536	-	-	-	Yes	-	Yes	
M12D-Web		M-JPEG MxPeg	1	2048x1536	-	-	-	Yes	-	Yes	Supported by design
M15D-Sec	4.3.4.5	MxPEG M-JPEG	1	3072x2048	1-way	2/2	-	*2	*2	Yes*	
Note:	1. Does not support rotate. (NUUO server limitation) 2. The camera with higher quality and resolution is unable to achieve the fps which users set for all streams. (Camera Firmware issue) 3. The 2nd and 3rd stream resolution will depends on 1st stream resolution setting. For example, if users set the resolution of 1st stream to 2048*1536(the ratio of height and width is 4:3) and 2nd stream resolution is 1920*1080, the 2nd stream resolution will become 1440*1080(4:3) instead of 1920*1080(16:9). (Camera performance limitation)										
M15D-Sec-Dnight	Refer to M15D-Sec(MX-V4.1.9.29)	M-JPEG MxPeg	1	2048x1536	1-way	2/2	-	Yes	-	Yes*	Supported by design
M15M-Sec	Refer to M15D-Sec(MX-V4.1.9.29)	M-JPEG MxPeg	1	2048x1536	1-way	2/2	-	Yes	-	Yes*	Supported by design
M22M-IT		M-JPEG MxPeg	1	640x480	-	-	-	Yes	-	Yes	Supported by design
M22M-Sec		M-JPEG MxPeg	1	2048x1536	-	-	-	Yes	-	Yes	Supported by design
M24M-Sec	MX-V4.0.4.28	M-JPEG MxPeg	1	2048x1536	-	-	-	Yes	-	Yes	
Note:	1.Audio only support on MxPEG. 2.Motion event works abnormal until first time trigger. 3.Resolution of dual-stream can't bigger then main-stream										
M25M	Refer to i25(4.3.2.77)	MJPEG MxPEG	1	2592x1944	1-way	-	-	Yes	-	Yes*	Supported by design
P25	Refer to i25(4.3.2.77)	MJPEG MxPEG	1	2592x1944	1-way	-	-	Yes	-	Yes*	Supported by design
D25	Refer to i25(4.3.2.77)	MJPEG MxPEG	1	2592x1944	1-way	-	-	Yes	-	Yes*	Supported by design
Q25	Refer to i25(4.3.2.77)	MJPEG MxPEG	1	2592x1944	1-way	-	-	Yes	-	Yes*	Supported by design
Q22M-Basic		M-JPEG MxPeg	1	640x480	-	-	-	Yes	-	Yes	Supported by design



For multi stream support:

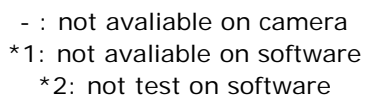
Yes: multi stream fix to A4500kbps/100kbps

Yes*: multi stream setting support in Crystal

For PTZ:

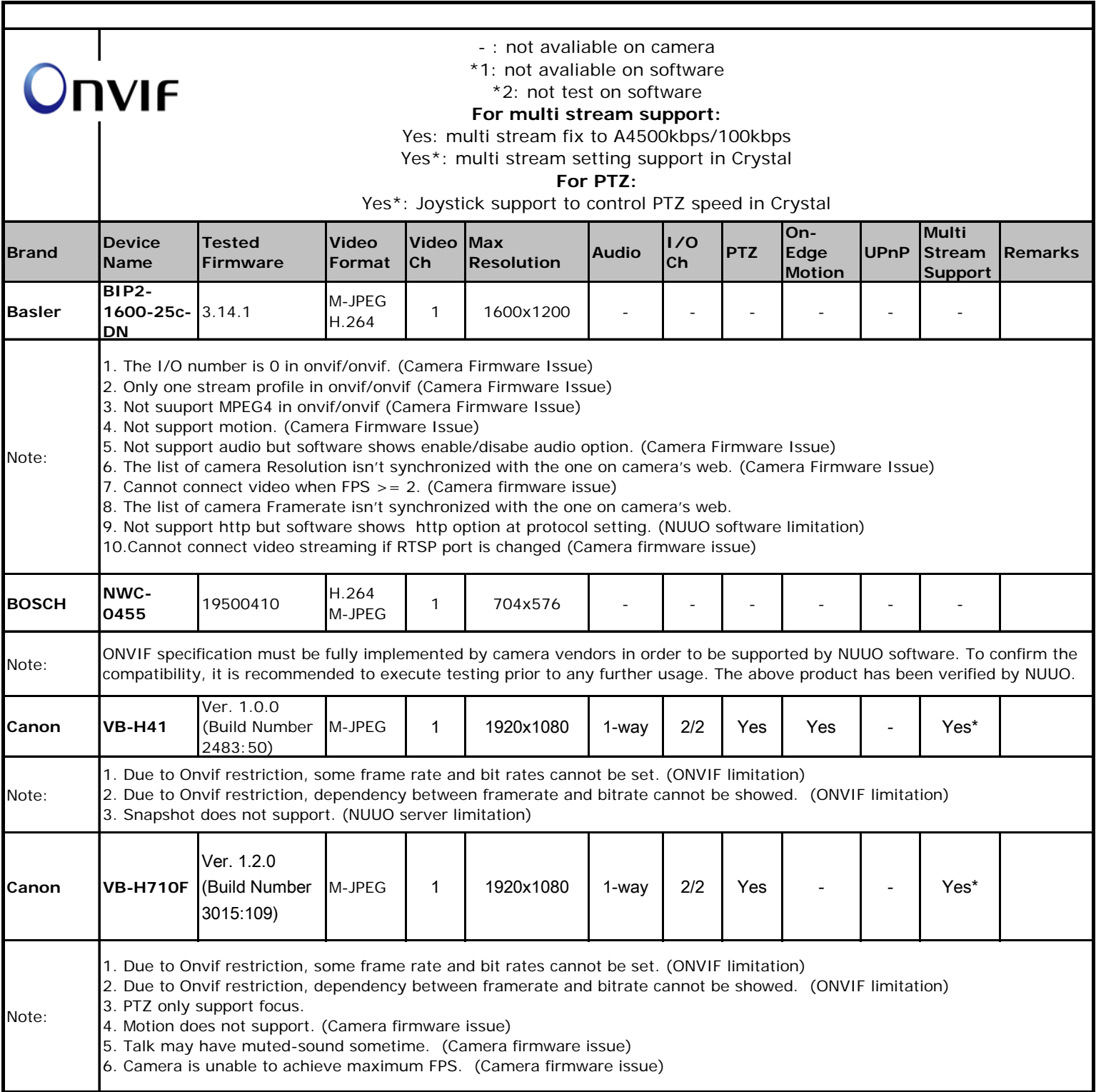
Yes*: Joystick support to control PTZ speed in Crystal

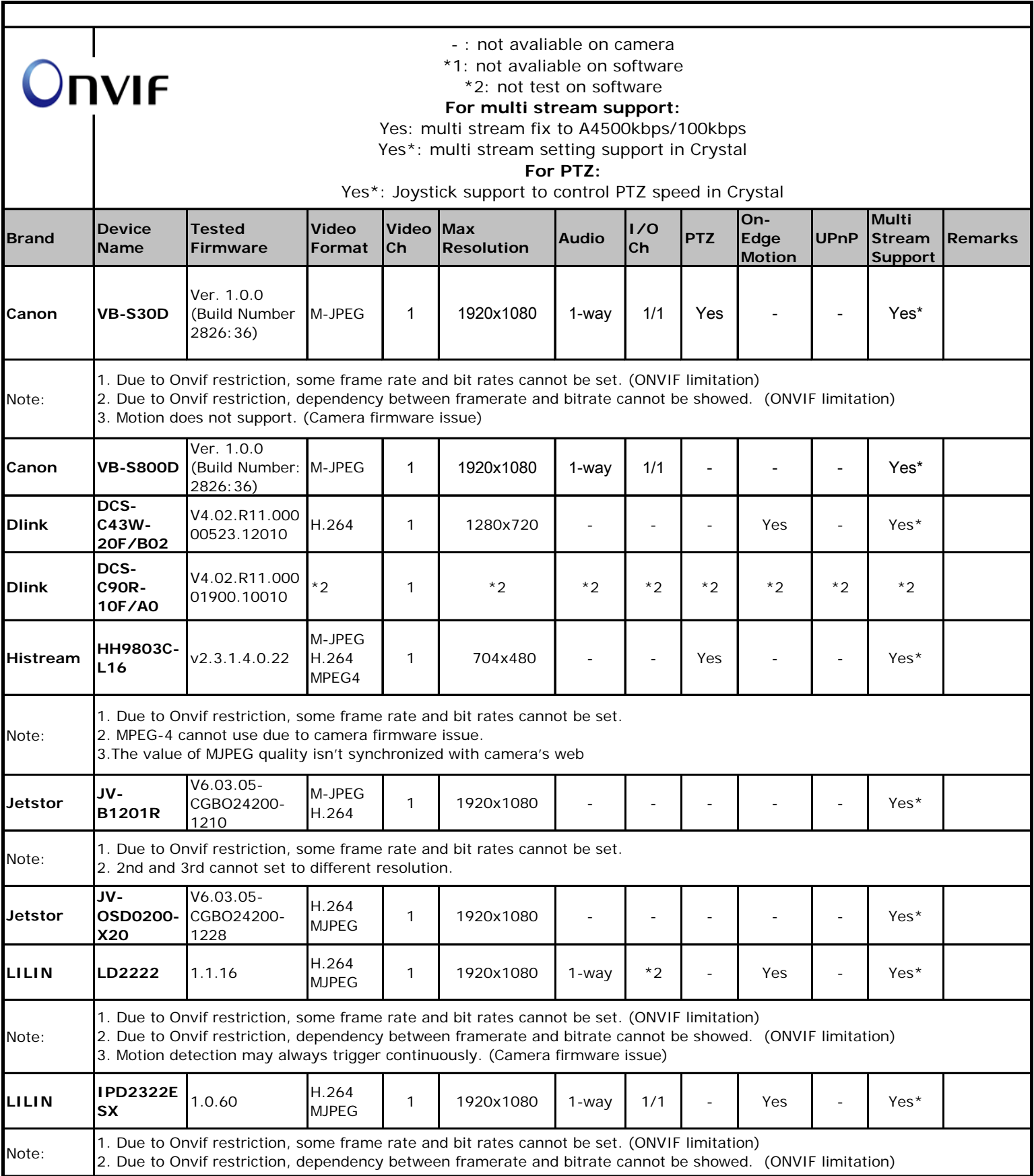
Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Multi Stream Support	Remarks
Q22M-Sec	MX-V3.4.5.10	M-JPEG MxPeg	1	2048x1536	-	2/2	-	Yes	-	Yes	Supported by design
Note:	Q22M-Basic and Q22M-Sec are fisheye camera										
Q24-Basic		M-JPEG MxPeg	1	640x480	-	-	-	Yes	-	Yes	Supported by design
Q24-Sec	MX-V4.0.1.7	M-JPEG MxPeg	1	2048x1536	-		-	Yes	-	Yes	
Note:	Q24M-Basic and Q24M-Sec are fisheye camera										
Q25M-Secure	MX-V4.1.10.35	M-JPEG MxPeg	1	2048X1536	1-way	2/2	Yes	Yes	-	Yes*	
Note:	Fisheye camera with manual calibration in Crystal When display mode is panorama, move will become vague.										
S14D-Sec	Refer to S15D-Sec(MX-V4.1.9.29)	M-JPEG MxPeg	1	2048x1536	1-way	2/2	-	Yes	-	Yes	Supported by design
S14D-Sec-Night	Refer to S15D-Sec(MX-V4.1.9.29)	M-JPEG MxPeg	1	2048x1536	1-way	2/2	-	Yes	-	Yes	Supported by design
S14M-Sec	Refer to S15D-Sec(MX-V4.1.9.29)	M-JPEG MxPeg	1	2048x1536	1-way	2/2	-	Yes	-	Yes	Supported by design
S15D-Sec	MX-V4.1.9.29	M-JPEG MxPeg	1	2048x1536	1-way	2/2	-	Yes	-	Yes*	
S15M-Sec	Refer to S15D-Sec(MX-V4.1.9.29)	M-JPEG MxPeg	1	2048x1536	1-way	2/2	-	Yes	-	Yes*	Supported by design
S15M-Sec-Night	Refer to S15D-Sec(MX-V4.1.9.29)	M-JPEG MxPeg	1	2048x1536	1-way	2/2	-	Yes	-	Yes*	Supported by design
Note:	For M15D-Sec, S15D-Sec, D15D-Sec: 1. (Camera issue): The camera with higher quality and resolution is unable to achieve the fps which users set for all streams 2. (Known issue): The actual sub-stream resoluton depend on 1st stream resolution value . For example, if users set the resolution of 1st stream to 2048*1536(the ratio of height and width is 4:3) and 2nd stream resolution is 1920*1080, the 2nd stream resolution will become 1440*1080(4:3) instead of 1920*1080(16:9)										
T24-Sec	MX-V4.0.4.19	M-JPEG MxPeg	1	2048x1536	-	7/3	-	Yes	-	Yes	
T25M-Secure	MX-V4.1.10.35	M-JPEG MxPeg	1	2048x1536	1-way	2/2	Yes	Yes	-	Yes*	
Note:	When display mode is panorama, move will become vague.										
Note:	For All Model: 1. For display mode, plesae set on the Mobotix web setting page first. 2. No Support Audio from Camera when video format is MJPEG. 3. Using ExtIO, plesae set on the Mobotix web setting page first.										

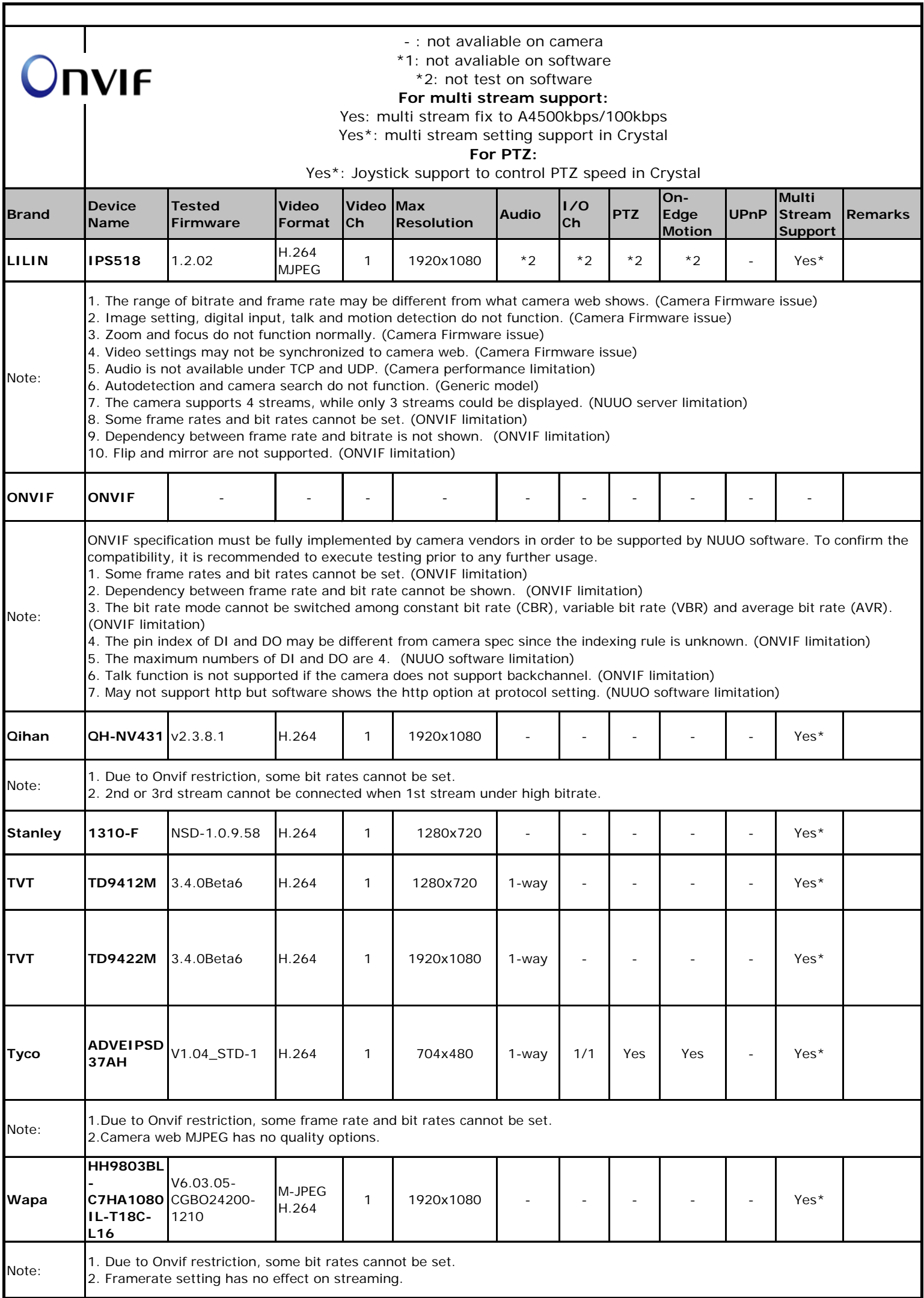


For multi stream support:
 Yes: multi stream fix to 500kbps/100kbps
 Yes*: multi stream setting support

[illegible]







For multi stream support:
 Yes: multi stream fix to 500kbps/100kbps
 Yes*: multi stream setting support

[illegible]



- : not available on camera
 *1: not available on software
 *2: not test on software

For multi stream support:

Yes: multi stream fix to A4500kbps/100kbps

Yes*: multi stream setting support in Crystal

For PTZ:

Yes*: Joystick support to control PTZ speed in Crystal

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Multi Stream Support	Remarks
BB-HCE481		M-JPEG	1	640x480	1-way	2/1	-	Yes	Yes	Yes	Supported by design
BB-HCM100	1.3	M-JPEG	1	640x480	1-way	2/1	-	Yes	Yes	Yes	
BB-HCM110	1.3	M-JPEG	1	640x480	1-way	2/1	Yes	Yes	Yes	Yes	
BB-HCM311		M-JPEG	1	640x480	1-way	2/1	Yes	Yes	Yes	Yes	Supported by design
BB-HCM331	1.3	M-JPEG	1	640x480	1-way	2/1	Yes	Yes	Yes	Yes	
BB-HCM371		M-JPEG	1	640x480	1-way	2/1	-	Yes	Yes	Yes	Supported by design
BB-HCM381	1.3	M-JPEG	1	640x480	1-way	1/1	Yes	Yes	Yes	Yes	
BB-HCM403		M-JPEG	1	640x480	1-way	2/1	-	Yes	Yes	Yes	Supported by design
BB-HCM511	1.3	MPEG4 M-JPEG	1	640x480	1-way	2/1	Yes	Yes	Yes	Yes	
BB-HCM515	3.11R01	MPEG4 M-JPEG	1	1280x1024	1-way	2/1	-	Yes	Yes	Yes	
Note:	No audio support in M-JPEG @ 1280x1024.										
BB-HCM527		MPEG4 M-JPEG	1	640x480	1-way	2/1	-	Yes	Yes	Yes	Supported by design
BB-HCM531	3.51R00	MPEG4 M-JPEG	1	640x480	1-way	2/1	-	Yes	Yes	Yes	
BB-HCM547	3.60R00	MPEG4 M-JPEG	1	640x480	1-way	2/1	Yes	Yes	Yes	Yes	
Note:	The camera is tested by link, so some functions can't be verified.										
BB-HCM580		MPEG4 M-JPEG	1	640x480	-	2/1	-	Yes	Yes	Yes	Supported by design
BB-HCM581	1.3	MPEG4 M-JPEG	1	640x480	1-way	2/1	Yes	Yes	Yes	Yes	
BB-HCM701	4.30R00	H.264 MPEG4 M-JPEG	1	640x480	1-way	1/0	-	Yes	Yes	Yes	



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For multi stream support:

Yes: multi stream fix to A4500kbps/100kbps

Yes*: multi stream setting support in Crystal

For PTZ:

Yes*: Joystick support to control PTZ speed in Crystal

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Multi Stream Support	Remarks
BB-HCM705	4.11R01	H.264 MPEG4 M-JPEG	1	1280x960	1-way	1/0	-	Yes	Yes	Yes	
BB-HCM715		H.264 MPEG4 M-JPEG	1	1280x960	1-way	2/1	Yes	Yes	Yes	Yes	Supported by design
BB-HCM735	1.05-03 (100303-02)	H.264 MPEG4 M-JPEG	1	1280x960	1-way	2/1	Yes	Yes	Yes	Yes	
BB-HCS301		M-JPEG	1	640x480	1-way	1/1	-	Yes	Yes	Yes	Supported by design
BB-ST162	refer to WV-ST162(FW 1 Application: 1.81 2 Image data: 1.04)	H264 MJPEG	1	800x600	-	3/1	Yes	Yes	-	Yes	Supported by design
BB-SW172	refer to WV-ST162(FW 1 Application: 1.81 2 Image data: 1.04)	H264 MJPEG	1	800x600	-	3/1	Yes	Yes	-	Yes	Supported by design
BL-C1		M-JPEG	1	640x480	-	-	-	Yes	Yes	Yes	Supported by design
BL-C10		M-JPEG	1	640x480	-	-	Yes	Yes	Yes	Yes	Supported by design
BL-C101	3.52R00	MPEG4 M-JPEG	1	640x480	1-way	1/0	-	Yes	Yes	Yes	
BL-C111	3.10R01	MPEG4 M-JPEG	1	640x480	1-way	-	Yes	Yes	Yes	Yes	
BL-C121	3.52R00	MPEG4 M-JPEG	1	640x480	1-way	1/1	-	Yes	Yes	Yes	
BL-C131		MPEG4 M-JPEG	1	640x480	1-way	-	-	Yes	Yes	Yes	Supported by design
BL-C140	3.51R01	MPEG4 M-JPEG	1	640x480	-	-	-	Yes	Yes	Yes	
BL-C160	3.51R01	MPEG4 M-JPEG	1	640x480	-	-	-	Yes	Yes	Yes	
BL-C20		M-JPEG	1	640x480	-	-	-	Yes	Yes	Yes	Supported by design



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For multi stream support:

Yes: multi stream fix to A4500kbps/100kbps

Yes*: multi stream setting support in Crystal

For PTZ:

Yes*: Joystick support to control PTZ speed in Crystal

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Multi Stream Support	Remarks
BL-C210	4.31R00	H.264 MPEG4 M-JPEG	1	640x480	1-way	-	Yes	Yes	Yes	Yes	
BL-C230		H.264 MPEG4 M-JPEG	1	640x480	1-way	-	Yes	Yes	Yes	Yes	Supported by design
BL-C30		M-JPEG	1	640x480	-	-	Yes	Yes	Yes	Yes	Supported by design
BL-VP101	Application: 1.67	H264 MJPEG	1	640x480	-	-	-	Yes	-	Yes	
BL-VP104	Application: 1.67	H264 MJPEG	1	1280x720	-	-	-	Yes	-	Yes	
BL-VP104W	refer BL- VP104(FW Application: 1.67)	H264 MJPEG	1	1280x720	-	-	-	Yes	-	Yes	Supported by design
BL-VT164	Application: 1.81	H264 MJPEG	1	1280x720	1-way	-	Yes	Yes	-	Yes	
BL-VT164W	refer BL- VT164(FW Application: 1.81)	H264 MJPEG	1	1280x720	1-way	-	Yes	Yes	-	Yes	Supported by design
KX-HCM110		M-JPEG	1	640x480	1-way	2/1	-	Yes	Yes	Yes	Supported by design
KX-HCM280A		M-JPEG	1	640x480	-	1/1	-	Yes	Yes	Yes	Supported by design
DG-GXE100	2.02	H.264	1	720x480	-	-	*2	Yes	*2	Yes*	
DG-NF282		MPEG4 M-JPEG	1	640x480	1-way	-	-	Yes	-	-	Supported by design
DG-NF302	1.5	MPEG4 M-JPEG	1	1280x960	1-way	-	-	Yes	-	-	Supported by design
DG-NP240		MPEG4 M-JPEG	1	640x480	1-way	-	-	Yes	-	-	Supported by design
DG-NP244		MPEG4 M-JPEG	1	640x480	1-way	-	-	Yes	-	Yes	Supported by design
DG-NP304	1.5	MPEG4 M-JPEG	1	1280x960	1-way	-	-	Yes	-	Yes	Supported by design



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For multi stream support:

Yes: multi stream fix to A4500kbps/100kbps

Yes*: multi stream setting support in Crystal

For PTZ:

Yes*: Joystick support to control PTZ speed in Crystal

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Multi Stream Support	Remarks
DG-NS202		MPEG4 M-JPEG	1	640x480	1-way	-	Yes	Yes	-	Yes	Supported by design
DG-NS202A	2.6	MPEG4 M-JPEG	1	640x480	1-way	-	Yes	Yes	-	Yes	
DG-NS950	1.5	MPEG4 M-JPEG	1	640x480	1-way	-	Yes	Yes	-	Yes	Supported by design
DG-NS954	1.5	MPEG4 M-JPEG	1	640x480	1-way	-	Yes	Yes	-	Yes	Supported by design
DG-NW960	1.5	MPEG4 M-JPEG	1	640x480	1-way	-	Yes	Yes	-	Yes	Supported by design
DG-NW964	1.5	MPEG4 M-JPEG	1	640x480	1-way	-	Yes	Yes	-	Yes	Supported by design
DG-SC385	Refer to WV-SC385 1 Application: 1.66 2 Driver: 1.39 3 Image data: 1.09	M-JPEG MPEG4 H.264	1	1280x960	*2	*2	Yes	Yes	-	Yes	Supported by design
DG-SF132	Refer to WV-SP102(FW 1 Application: 1.81 2 Image data: 1.03)	H.264 M-JPEG	1	640x480	-	-	-	Yes	-	Yes	Supported by design
DG-SF334	1.03 1.05	H.264 MPEG4 M-JPEG	1	1280x960	1-way	-	-	Yes	-	Yes	
Note:	Disable H.264 and MPEG4 will get MJPEG stream playing more smoothly.										
DG-SP102	Refer to WV-SP102(FW 1 Application: 1.81 2 Image data: 1.03)	H.264 M-JPEG	1	640x480	-	-	-	Yes	-	Yes	Supported by design
DG-SW155	Refer to WV-SW155/M	H.264 M-JPEG	1	1280x960	1-way	-	-	Yes	-	Yes	Supported by design



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For multi stream support:

Yes: multi stream fix to A4500kbps/100kbps

Yes*: multi stream setting support in Crystal

For PTZ:

Yes*: Joystick support to control PTZ speed in Crystal

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Multi Stream Support	Remarks
K-EF134L	V2.42	H.264 M-JPEG	1	1280x960	-	-	-	Yes	Yes	Yes*	
Note:	1. The bit-rate values in the combo box are not all valid, users have to choose a valid one (the range can be get from the web of the device) while setting. (NUUO Server limitation) 2. Video parameter setting and rotate function may result in failure by Day/Night profile. (Camera Firmware issue) 3. When format is MJPEG, and resource is too much, the image is not complete. (Camera performance limitation) 4. UPnP search fail. (Camera firmware issue)										
K-EW114L	2.420.PS00.0.T, build:2014-09-19	H.264 M-JPEG	1	1280x960	-	-	-	Yes	*2	Yes*	
Note:	1. The bit-rate values in the combo box are not all valid, users have to choose a valid one (the range can be get from the web of the device) while setting. (NUUO Server limitation) 2. Video parameter setting and rotate function may result in failure by Day/Night profile. (Camera Firmware issue) 3. When format is MJPEG, and resource is too much, the image is not complete. (Camera performance limitation) 4. The bitrate ranges of server are different from camera web while image format is MJPEG.(Camera Firmware issue)										
WJ-GXE500	1.03	H.264 MPEG4 M-JPEG	4	720x480	1-way	-	-	Yes	-	Yes	
Note:	Motion detection works abnormally when "face detection" function is enabled. Not support PTZ currently.										
WJ-NT304	1.04	M-JPEG	4	640x480	-	-	Yes	-	-	Yes	
WJ-NT314		M-JPEG	4	640x480	1-way	-	Yes	-	-	Yes	Supported by design
WV-NF284		MPEG4 M-JPEG	1	640x480	1-way	-	-	Yes	-	Yes	Supported by design
WV-NF302	1.40E4_1.06	MPEG4 M-JPEG	1	1280x960	1-way	-	-	Yes	-	Yes	
WV-NM100		MPEG4 M-JPEG	1	640x480	-	-	Yes	-	-	Yes	Supported by design
WV-NP1000		M-JPEG	1	1280x960	1-way	-	-	Yes	-	Yes	Supported by design
WV-NP1004	1.21	M-JPEG	1	1280x960	1-way	-	-	Yes	-	Yes	
WV-NP240		MPEG4 M-JPEG	1	640x480	1-way	-	-	Yes	-	Yes	Supported by design
WV-NP244		MPEG4 M-JPEG	1	640x480	1-way	-	-	Yes	-	Yes	Supported by design



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For multi stream support:

Yes: multi stream fix to A4500kbps/100kbps

Yes*: multi stream setting support in Crystal

For PTZ:

Yes*: Joystick support to control PTZ speed in Crystal

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Multi Stream Support	Remarks
WV-NP304	1.50E5_1.06	MPEG4 M-JPEG	1	1280x960	1-way	-	-	Yes	-	Yes	
WV-NP472		M-JPEG	1	640x480	-	-	-	Yes	-	Yes	Supported by design
WV-NP502	1.00	H.264 MPEG4 M-JPEG	1	2048x1536	1-way	-	-	Yes	-	Yes	
WV-NS202		MPEG4 M-JPEG	1	640x480	1-way	-	Yes	Yes	-	Yes	Supported by design
WV-NS202A	2.6	MPEG4 M-JPEG	1	640x480	1-way	-	Yes	Yes	-	Yes	Supported by design
WV-NS324		M-JPEG	1	640x480	-	-	Yes	Yes	-	Yes	Supported by design
WV-NS950	1.5	MPEG4 M-JPEG	1	640x480	1-way	-	Yes	Yes	-	Yes	Supported by design
WV-NS954	1.06E0	MPEG4 M-JPEG	1	640x480	1-way	-	Yes	Yes	-	Yes	
Note:	Audio is abnormal in MPEG4 format.										
WV-SC384	1.46	H.264 MPEG4 M-JPEG	1	1280x960	1-way	0~3/0~1	Yes	Yes	-	Yes	Supported by design
WV-SC385	Application: 2.10 Driver: 1.54	H.264	1	1280x960	1-way	3/1	Yes*	Yes	Yes	Yes*	
Note:	1. Brightness value may not sync with web. (Camera Firmware issue) 2. Bit Rate Control (Transmission priority) only support Constant bit rate & Frame rate.(NUUO server limitation) 3. The flip status on camera web is opposite to server.(Camera Firmware issue)										
WV-SC386	1 Application: 1.44 2 Driver: 1.12 3 Image data: 1.05	M-JPEG MPEG4 H.264	1	1280x960	1-way	0~3/0~1	Yes	Yes	-	Yes	
WV-SF132	Refer to WV-SP102(FW 1 Application: 1.81 2 Image data: 1.03)	H.264 M-JPEG	1	640x480	-	-	-	Yes	-	Yes	Supported by design



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For multi stream support:

Yes: multi stream fix to A4500kbps/100kbps

Yes*: multi stream setting support in Crystal

For PTZ:

Yes*: Joystick support to control PTZ speed in Crystal

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Multi Stream Support	Remarks
WV-SF135	Refer to WV-SW155/M	H.264 M-JPEG	1	1280x960	1-way	-	-	Yes	-	Yes	Supported by design
WV-SF332		H.264 MPEG4 M-JPEG	1	1280x960	1-way	0~1/0~1	Yes	Yes	-	Yes	Supported by design
WV-SF335		H.264 MPEG4 M-JPEG	1	1280x960	1-way	0~1/0~1	Yes	Yes	-	Yes	Supported by design
Note:	WV-SF355 include WV-SF335E										
WV-SF336	1.05	H.264 MPEG4 M-JPEG	1	1280x960	1-way	-	Yes	Yes	-	Yes	
Note:	Motion detection works abnormally when "face detection" function is enabled.										
WV-SF342	Refer to WV-SF332	H.264 MPEG4 M-JPEG	1	1280x960	1-way	-	Yes	Yes	-	Yes	Supported by design
WV-SF346	Refer to WV-SF336	H.264 MPEG4 M-JPEG	1	1280x960	1-way	-	Yes	Yes	-	Yes	Supported by design
WV-SF438	1 Application: 1.04 2 Image data:	H264 MJPEG	1	2048x1536	1-way	3/1	-	Yes	-	Yes	
Note:	Fisheye camera										
WV-SF539	1 Application: 1.60 2 Image data: 2.34	H.264	1	1920x1080	*2	*2	-	Yes	*2	Yes*	
Note:	1. Brightness value may not sync with web. (Camera Firmware issue) 2. We tested on camera web with the following parameters, and found camera will disconnect or image will delay. The following link lists some issues: https://docs.google.com/spreadsheets/d/1Ri44tFID29DKYhf-s6VQhDImfYycbLV8nuhpASViksw/edit#gid=0 3. The 2nd stream cannot be set and connect while the image mode is 3mega pixel. (Camera Firmware issue)										
WV-SFN310	1.71	H.264	1	1280x960	1-way	3/1	-	Yes	-	Yes*	
Note:	1. Setting higher bitrate may be fail (Camera firmware issue) 2. When 60fps mode , H.264(1) bitrate cannot be set less than 1024 (Camera firmware issue) 3. No Audio when audio codec is AAC (NUUO server limitation) 4. Bitrate list range is not synchronize with web(Camera firmware issue) 5. MJPEG framerate is affected by h264 stream. If h264 stream(1 or 2) open, MJPEG support 5 fps the most. (Camera performance limitation) 6. Brightness value may not sync with web. (Camera firmware issue) 7. Motion event snapshot resolution sync with stream3 instead of stream1. (Camera firmware issue)										
WV-SFN310J	Refer to WV-SFN310(1.71)	H.264	1	1280x960	1-way	3/1	-	Yes	-	Yes*	Supported by design



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For multi stream support:

Yes: multi stream fix to A4500kbps/100kbps

Yes*: multi stream setting support in Crystal

For PTZ:

Yes*: Joystick support to control PTZ speed in Crystal

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Multi Stream Support	Remarks
WV-SFN311	Refer to WV-SFN310(1.71)	H.264	1	1280x960	1-way	3/1	-	Yes	-	Yes*	Supported by design
WV-SFV481	1.12	H.264	1	2992x2992	1-way	3/1	-	Yes	Yes	Yes*	
Note:	Fishey camera with manual calibration in Crystal 1. Brightness Value may not sync with Camera Web Interface.(Camera Firmware issue) 2. Audio out 16Kbps was not supported.(NUUO server limitation) 3. Digital in and Digital out can not trigger continuously.(Camera Firmware issue) 4. Camera may not achieve maximum FPS.(Camera performance limitation) 5. The range of bitrate may not sync with camera web.(Camera Firmware issue) 6. The bit-rate & FPS values in the combo box are not all valid, users have to choose a valid one (the range can be get from the web of the device) while setting.(NUUO server limitation) 7. Snapshot resolution may not sync with display resolution.(NUUO server limitation)										
WV-SFV611L	Refer to WV-SPN631(2.41)	H.264	1	2048x1536	1-way	3/1	-	Yes	Yes	Yes*	Supported by design
WV-SFV631L	Refer to WV-SPN631(2.41)	H.264	1	2048x1536	1-way	3/1	-	Yes	Yes	Yes*	Supported by design
WV-SFV631LT	Refer to WV-SPN631(2.41)	H.264	1	2048x1536	1-way	3/1	-	Yes	Yes	Yes*	Supported by design
WV-SFV781L	Refer to WV-SPN631(2.41)	H.264	1	2048x1536	1-way	3/1	-	Yes	Yes	Yes*	Supported by design
WV-SP102	1 Application: 1.81 2 Image data:	H.264 M-JPEG	1	640x480	-	-	-	Yes	-	Yes	Tested by link
WV-SP105	1 Application: 1.61 2 Image data: 2.01	H.264 M-JPEG	1	1280x960	-	-	-	Yes	-	Yes	
WV-SP302		H.264 MPEG4 M-JPEG	1	1280x960	1-way	-	Yes	Yes	-	Yes	Supported by design
WV-SP305		H.264 MPEG4 M-JPEG	1	1280x960	1-way	-	Yes	Yes	-	Yes	Supported by design
WV-SP306	1.04	H.264 MPEG4 M-JPEG	1	1280x960	1-way	-	Yes	Yes	-	Yes	
Note:	Motion detection works abnormally when "face detection" function is enabled.										
WV-SP508	1Application: 1.05 2 Image data: 2.05	MJPEG H264	1	2048x1536	-	0~1/0~1	-	Yes	-	Yes	Tested by link



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For multi stream support:

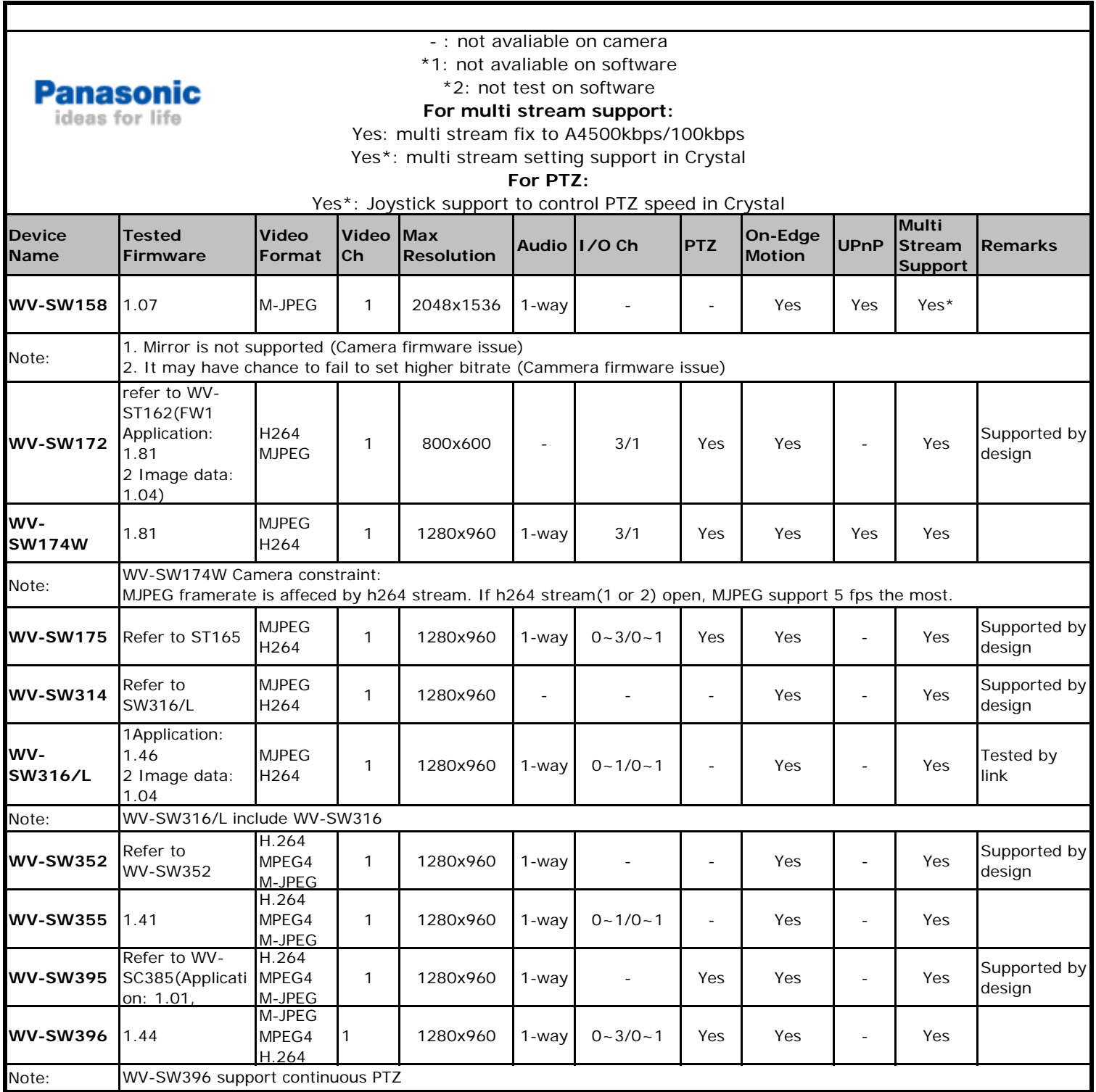
Yes: multi stream fix to A4500kbps/100kbps

Yes*: multi stream setting support in Crystal

For PTZ:

Yes*: Joystick support to control PTZ speed in Crystal

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Multi Stream Support	Remarks
WV-SP509	1Application: 1.07 2 Image data: 2.11	MJPEG H264	1	2048x1536	1-way	0~3/0~1	-	Yes	-	Yes	
WV-SPN311	V1.71	H.264	1	1280x720	1-way	3/1	-	Yes	Yes	Yes*	
WV-SPN531	Refer to WV-SPN631(2.41)	H.264	1	2048x1536	1-way	3/1	-	Yes	Yes	Yes*	Supported by design
WV-SPN631	2.41	H.264	1	2048x1536	1-way	3/1	-	Yes	Yes	Yes*	Supported by design
Note:	1. RTSP Port cannot change. (Camera firmware issue) 2. Bitrate list can not sync. with camera web. (Camera firmware issue) 3. Cannot support that resolution is 3m model. (Camera firmware issue) 4. Resolution list can not sync with camera web. (Camera firmware issue) 5. Audio-out works fail. (Camera firmware issue) 6. The resolution of snapshot will not sync. with settings. (Camera firmware issue)										
WV-SPW611L	Refer to WV-SPN631(2.41)	H.264	1	2048x1536	1-way	3/1	-	Yes	Yes	Yes*	Supported by design
WV-SPW631L	Refer to WV-SPN631(2.41)	H.264	1	2048x1536	1-way	3/1	-	Yes	Yes	Yes*	Supported by design
WV-ST162	1 Application: 1.81 2 Image data: 1.04	H264 MJPEG	1	800x600	-	3/1	Yes	Yes	-	Yes	Tested by link
WV-ST165	1Application: 1.44 2 Image data: 1.03	MJPEG H264	1	1280x960	1-way	0~3/0~1	Yes	Yes	-	Yes	Tested by link
Note	Enable "VMD addition information" on camera web and reboot to obtain Morion Detection Info										
WV-SW152	Refer to WV-SW155	H.264 M-JPEG	1	1280x960	1-way	-	-	Yes	-	Yes	Supported by design
WV-SW155	2.02	H.264	1	1280x720	-	*2	-	Yes	*2	Yes*	
Note:	Brightness value may not sync with web. (Camera Firmware issue)										
WV-SW155/M	1.03	H.264 M-JPEG	1	1280x960	1-way	-	-	Yes	-	Yes	





- : not available on camera
 *1: not available on software
 *2: not test on software

For multi stream support:

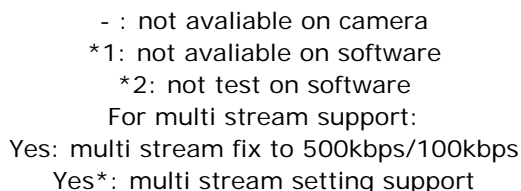
Yes: multi stream fix to A4500kbps/100kbps

Yes*: multi stream setting support in Crystal

For PTZ:

Yes*: Joystick support to control PTZ speed in Crystal

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Multi Stream Support	Remarks
WV-SW458	V1.60	H.264	1	1920x1080	1-way	3/1	-	Yes	Yes	Yes*	
Note:	Fisheye camera with manual calibration in Crystal 1. G726/16Kbps has noise. (NUUO server limitation) 2. Brightness value may not sync with web. (Camera Firmware issue) 3. MountType and DisplayMode UI only support English. (NUUO server limitation) 4. Camera is unable to achieve maximum FPS. (Camera performance limitation) 5. Setting higher bitrate may be fail (Camera Firmware issue) 6. Motion event snapshot resolution may not sync with current stream (NUUO server limitation)										
WV-SW558	Refer to SP509	MJPEG H264	1	2048x1536	-	0~3/0~1	-	Yes	-	Yes	Supported by design
WV-SW558	Refer to SP509	MJPEG H264	1	2048x1536	1-way	0~3/0~1	-	Yes	-	Yes	Supported by design
WV-SW598	2.07	H.264	1	1920x1080	*2	*2	Yes*	Yes	*2	Yes*	
Note:	1. Brightness value may not sync with web. (Camera Firmware issue) 2. The flip status on camera web is opposite to server. (Camera Firmware issue) 3. The move function can not make live view to center. (Camera Firmware issue)										
WV-NW484	1.10ED	MPEG4 M-JPEG	1	640x480	-	-	-	Yes	-	Yes	
WV-NW502S	1.00	H.264 MPEG4 M-JPEG	1	2048x1536	1-way	-	-	Yes	-	Yes	
WV-NW960	1.5	MPEG4 M-JPEG	1	640x480	1-way	-	Yes	Yes	-	Yes	Supported by design
WV-NW964		MPEG4 M-JPEG	1	640x480	1-way	-	Yes	Yes	-	Yes	Supported by design

[illegible]



- : not available on camera
*1: not available on software
*2: not test on software
For multi stream support:
Yes: multi stream fix to 500kbps/100kbps
Yes*: multi stream setting support

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Multi Stream Support	Remarks
PBY-Hi82	VH1.0.0.3_Y	H.264 MJPEG	1	2688x1520	1-way	1/1	-	Yes	Yes	Yes*	Support by design
Note:	1. Camera cannot achieve maximum FPS with MJPEG and high resolution. (Camera performance limitation) 2. Stream 1 cannot achieve maximum FPS when stream 2 connect with MJPEG and high resolution in the same time. (Camera performance limitation) 3. Resolution list and bitrate list does not synchronize with web. (Camera Firmware issue) 4. Audio has noise. (Camera Firmware issue)										
PBY-H7982	VH1.0.0.3_Y	H.264 MJPEG	1	2688x1520	1-way	1/1	-	Yes	Yes	Yes*	Support by design
Note:	1. Camera cannot achieve maximum FPS with MJPEG and high resolution. (Camera performance limitation) 2. Stream 1 cannot achieve maximum FPS when stream 2 connect with MJPEG and high resolution in the same time. (Camera performance limitation) 3. Resolution list and bitrate list does not synchronize with web. (Camera Firmware issue) 4. Audio has noise. (Camera Firmware issue)										
PBY-H7A82	VH1.0.0.3_Y	H.264 MJPEG	1	2688x1520	1-way	1/1	-	Yes	Yes	Yes*	Support by design
Note:	1. Camera cannot achieve maximum FPS with MJPEG and high resolution. (Camera performance limitation) 2. Stream 1 cannot achieve maximum FPS when stream 2 connect with MJPEG and high resolution in the same time. (Camera performance limitation) 3. Resolution list and bitrate list does not synchronize with web. (Camera Firmware issue) 4. Audio has noise. (Camera Firmware issue)										
PBY-H7B82	VH1.0.0.3_Y	H.264 MJPEG	1	2688x1520	1-way	1/1	-	Yes	Yes	Yes*	Support by design
Note:	1. Camera cannot achieve maximum FPS with MJPEG and high resolution. (Camera performance limitation) 2. Stream 1 cannot achieve maximum FPS when stream 2 connect with MJPEG and high resolution in the same time. (Camera performance limitation) 3. Resolution list and bitrate list does not synchronize with web. (Camera Firmware issue) 4. Audio has noise. (Camera Firmware issue)										
PBY-H7B82M	VH1.0.0.3_Y	H.264 MJPEG	1	2688x1520	1-way	1/1	-	Yes	Yes	Yes*	Support by design
Note:	1. Camera cannot achieve maximum FPS with MJPEG and high resolution. (Camera performance limitation) 2. Stream 1 cannot achieve maximum FPS when stream 2 connect with MJPEG and high resolution in the same time. (Camera performance limitation) 3. Resolution list and bitrate list does not synchronize with web. (Camera Firmware issue) 4. Audio has noise. (Camera Firmware issue)										
PBY-H79882	VH1.0.0.3_Y	H.264 MJPEG	1	2688x1520	1-way	1/1	-	Yes	Yes	Yes*	Support by design
Note:	1. Camera cannot achieve maximum FPS with MJPEG and high resolution. (Camera performance limitation) 2. Stream 1 cannot achieve maximum FPS when stream 2 connect with MJPEG and high resolution in the same time. (Camera performance limitation) 3. Resolution list and bitrate list does not synchronize with web. (Camera Firmware issue) 4. Audio has noise. (Camera Firmware issue)										
PBY-H7B882	VH1.0.0.3_Y	H.264 MJPEG	1	2688x1520	1-way	1/1	-	Yes	Yes	Yes*	Support by design
Note:	1. Camera cannot achieve maximum FPS with MJPEG and high resolution. (Camera performance limitation) 2. Stream 1 cannot achieve maximum FPS when stream 2 connect with MJPEG and high resolution in the same time. (Camera performance limitation) 3. Resolution list and bitrate list does not synchronize with web. (Camera Firmware issue) 4. Audio has noise. (Camera Firmware issue)										
PBY-HL882	VH1.0.0.3_Y	H.264 MJPEG	1	2688x1520	1-way	1/1	-	Yes	Yes	Yes*	Support by design
Note:	1. Camera cannot achieve maximum FPS with MJPEG and high resolution. (Camera performance limitation) 2. Stream 1 cannot achieve maximum FPS when stream 2 connect with MJPEG and high resolution in the same time. (Camera performance limitation) 3. Resolution list and bitrate list does not synchronize with web. (Camera Firmware issue) 4. Audio has noise. (Camera Firmware issue)										

[illegible]

[illegible]

PBY-HV26A	VE1.0.20.10_Y	H.264 MJPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	Yes*	Support by design
Note:	1. Camera cannot achieve maximum FPS with MJPEG and high resolution. (Camera performance limitation) 2. Stream 1 cannot achieve maximum FPS when stream 2 connect with MJPEG and high resolution in the same time. (Camera performance limitation) 3. Resolution list and bitrate list does not synchronize with web. (Camera Firmware issue) 4. Audio has noise. (Camera Firmware issue)										
PBY-H626A	VE1.0.20.10_Y	H.264 MJPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	Yes*	Support by design
Note:	1. Stream2 cannot achieve maimum FPS with connecting two streams simultaneously. (Camera performance limitation) 2. Audio codec only can choose G711. (Camera Firmware issue) 3. Upnp will find wrong model. (Camera Firmware issue)										
PBY-H7926AM	VE1.0.20.10_Y	H.264 MJPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	Yes*	Support by design
Note:	1. Stream2 cannot achieve maimum FPS with connecting two streams simultaneously. (Camera performance limitation) 2. Audio codec only can choose G711. (Camera Firmware issue) 3. Upnp will find wrong model. (Camera Firmware issue)										
PBY-H7A855	VE1.0.20.10_Y	H.264 MJPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	Yes*	Support by design
Note:	1. Stream2 cannot achieve maimum FPS with connecting two streams simultaneously. (Camera performance limitation) 2. Audio codec only can choose G711. (Camera Firmware issue) 3. Upnp will find wrong model. (Camera Firmware issue)										
PBY-HB855	VE1.0.20.10_Y	H.264 MJPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	Yes*	Support by design
Note:	1. Stream2 cannot achieve maimum FPS with connecting two streams simultaneously. (Camera performance limitation) 2. Audio codec only can choose G711. (Camera Firmware issue) 3. Upnp will find wrong model. (Camera Firmware issue)										
PBY-HC26A	VE1.0.20.10_Y	H.264 MJPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	Yes*	Support by design
Note:	1. Stream2 cannot achieve maimum FPS with connecting two streams simultaneously. (Camera performance limitation) 2. Audio codec only can choose G711. (Camera Firmware issue) 3. Upnp will find wrong model. (Camera Firmware issue)										
PBY-HC855	VE1.0.20.10_Y	H.264 MJPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	Yes*	Support by design
Note:	1. Stream2 cannot achieve maimum FPS with connecting two streams simultaneously. (Camera performance limitation) 2. Audio codec only can choose G711. (Camera Firmware issue) 3. Upnp will find wrong model. (Camera Firmware issue)										
PBY-HD26A	VE1.0.20.10_Y	H.264 MJPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	Yes*	Support by design
Note:	1. Stream2 cannot achieve maimum FPS with connecting two streams simultaneously. (Camera performance limitation) 2. Audio codec only can choose G711. (Camera Firmware issue) 3. Upnp will find wrong model. (Camera Firmware issue)										
PBY-HD855	VE1.0.20.10_Y	H.264 MJPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	Yes*	Support by design
Note:	1. Stream2 cannot achieve maimum FPS with connecting two streams simultaneously. (Camera performance limitation) 2. Audio codec only can choose G711. (Camera Firmware issue) 3. Upnp will find wrong model. (Camera Firmware issue)										
PBY-HH855	VE1.0.20.10_Y	H.264 MJPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	Yes*	Support by design
Note:	1. Stream2 cannot achieve maimum FPS with connecting two streams simultaneously. (Camera performance limitation) 2. Audio codec only can choose G711. (Camera Firmware issue) 3. Upnp will find wrong model. (Camera Firmware issue)										
PBY-Hi26A	VE1.0.20.10_Y	H.264 MJPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	Yes*	Support by design
Note:	1. Stream2 cannot achieve maimum FPS with connecting two streams simultaneously. (Camera performance limitation) 2. Audio codec only can choose G711. (Camera Firmware issue) 3. Upnp will find wrong model. (Camera Firmware issue)										
PBY-Hi26AM	VE1.0.20.10_Y	H.264 MJPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	Yes*	Support by design

Note:	1. Stream2 cannot achieve maimum FPS with connecting two streams simultaneously. (Camera performance limitation) 2. Audio codec only can choose G711. (Camera Firmware issue) 3. Upnp will find wrong model. (Camera Firmware issue)										
PBY-HK26A	VE1.0.20.10_Y	H.264 MJPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	Yes*	Support by design
Note:	1. Stream2 cannot achieve maimum FPS with connecting two streams simultaneously. (Camera performance limitation) 2. Audio codec only can choose G711. (Camera Firmware issue) 3. Upnp will find wrong model. (Camera Firmware issue)										
PBY-HK855	VE1.0.20.10_Y	H.264 MJPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	Yes*	Support by design
Note:	1. Stream2 cannot achieve maimum FPS with connecting two streams simultaneously. (Camera performance limitation) 2. Audio codec only can choose G711. (Camera Firmware issue) 3. Upnp will find wrong model. (Camera Firmware issue)										
PBY-HL26A	VE1.0.20.10_Y	H.264 MJPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	Yes*	Support by design
Note:	1. Stream2 cannot achieve maimum FPS with connecting two streams simultaneously. (Camera performance limitation) 2. Audio codec only can choose G711. (Camera Firmware issue) 3. Upnp will find wrong model. (Camera Firmware issue)										
PBY-HL26AM	VE1.0.20.10_Y	H.264 MJPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	Yes*	Support by design
Note:	1. Stream2 cannot achieve maimum FPS with connecting two streams simultaneously. (Camera performance limitation) 2. Audio codec only can choose G711. (Camera Firmware issue) 3. Upnp will find wrong model. (Camera Firmware issue)										

PBY-HMi855	VE1.0.20.10_Y	H.264 MJPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	Yes*	Support by design
Note:	1. Stream2 cannot achieve maimum FPS with connecting two streams simultaneously. (Camera performance limitation) 2. Audio codec only can choose G711. (Camera Firmware issue) 3. Upnp will find wrong model. (Camera Firmware issue)										
PBY-HNi855	VE1.0.20.10_Y	H.264 MJPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	Yes*	Support by design
Note:	1. Stream2 cannot achieve maimum FPS with connecting two streams simultaneously. (Camera performance limitation) 2. Audio codec only can choose G711. (Camera Firmware issue) 3. Upnp will find wrong model. (Camera Firmware issue)										
PBY-HQ26A	VE1.0.20.10_Y	H.264 MJPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	Yes*	Support by design
Note:	1. Stream2 cannot achieve maimum FPS with connecting two streams simultaneously. (Camera performance limitation) 2. Audio codec only can choose G711. (Camera Firmware issue) 3. Upnp will find wrong model. (Camera Firmware issue)										
PBY-HQ855	VE1.0.20.10_Y	H.264 MJPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	Yes*	Support by design
Note:	1. Stream2 cannot achieve maimum FPS with connecting two streams simultaneously. (Camera performance limitation) 2. Audio codec only can choose G711. (Camera Firmware issue) 3. Upnp will find wrong model. (Camera Firmware issue)										
PBY-HS26A	VE1.0.20.10_Y	H.264 MJPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	Yes*	Support by design
Note:	1. Stream2 cannot achieve maimum FPS with connecting two streams simultaneously. (Camera performance limitation) 2. Audio codec only can choose G711. (Camera Firmware issue) 3. Upnp will find wrong model. (Camera Firmware issue)										
PBY-HS855	VE1.0.20.10_Y	H.264 MJPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	Yes*	Support by design
Note:	1. Stream2 cannot achieve maimum FPS with connecting two streams simultaneously. (Camera performance limitation) 2. Audio codec only can choose G711. (Camera Firmware issue) 3. Upnp will find wrong model. (Camera Firmware issue)										
PBY-HV26A	VE1.0.20.10_Y	H.264 MJPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	Yes*	Support by design
Note:	1. Stream2 cannot achieve maimum FPS with connecting two streams simultaneously. (Camera performance limitation) 2. Audio codec only can choose G711. (Camera Firmware issue) 3. Upnp will find wrong model. (Camera Firmware issue)										



- : not available on camera
*1: not available on software
*2: not test on software
For multi stream support:
Yes: multi stream fix to 500kbps/100kbps
Yes*: multi stream setting support

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Multi Stream Support	Remarks
DAI-310IPEH04	3.4.2	H.264	1	2048x1536	-	-	-	*2	*2	Yes*	
Note:	1. Auto detect fail.(Camera Firmware issue) 2. Can not change CBR/VBR. (Camera Firmware issue) 3. Bitrate & firmware list can not synchronize with web. (Camera Firmware issue) 4. Quality name can not synchronize with web. (Camera Firmware issue) 5. Auto detect & upnp search can not be used. (Camera Firmware issue)										
DAI-310IPEHVF	Refer to DAI-310IPEH04(3.4.2)	H.264	1	2048x1536	-	-	-	*2	*2	Yes*	Support by design
DI-310IPEHVF	Refer to DAI-310IPEH04(3.4.2)	H.264	1	2048x1536	-	-	-	*2	*2	Yes*	Support by design
I3-310IPEH04	Refer to DAI-310IPEH04(3.4.2)	H.264	1	2048x1536	-	-	-	*2	*2	Yes*	Support by design
I4-310IPEHVF	Refer to DAI-310IPEH04(3.4.2)	H.264	1	2048x1536	-	-	-	*2	*2	Yes*	Support by design



- : not available on camera
 *1: not available on software
 *2: not test on software

For multi stream support:

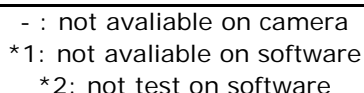
Yes: multi stream fix to A4500kbps/100kbps

Yes*: multi stream setting support in Crystal

For PTZ:

Yes*: Joystick support to control PTZ speed in Crystal

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	Camera Search Tool	Multi Stream Support	Remarks
SNB-1000	v1.07_110407	H.264 MPEG4 M-JPEG	1	640x480	1-way	1/1	-	Yes	-	Yes	
Note:	This is POE camera, but the device is unstable without AC power connection. We suggest connecting with AC power.										
Note:	I/O and MD is unstable, which is a known issue reported by Samsung. They won't do any change since the camera is discontinued.										
SNB-1001	1.00_111226	H.264 M-JPEG	1	640x480	1-way	1/0	-	Yes	-	Yes	Test by link
SNB-2000		H.264 MPEG4 M-JPEG	1	720x576	-	2/2	-	-	-	-	Supported by design
SNB-3000		H.264 MPEG4 M-JPEG	1	720x576	1-way	2/2	-	-	-	-	Supported by design
SNB-3002	refer to SND-3082/F (FW 2.10_130416)	H.264 MPEG4 M-JPEG	1	704x576(PAL) 704x480(NTSC)	1-way	1/1	-	Yes	Yes	yes	Supported by design
SNB-5000	3_24_140701	H.264 MPEG4 M-JPEG	1	1280x1024	1-way	1/1	-	Yes	-	Yes	
note:	1. Camera is unable achieve over 22 fps when the resolution is 1280x1024 and the format is H264. (Camera performance limitation) 2. When format is MJPEG, the bitrate list can not sync. with camera web. (Camera firmware issue) 3. Frame rate list can not sync. with camera web. (Camera firmware issue) 4. Can not enable talk function. (Camera firmware issue)										
SNB-5000A	refer to SND5080 (FW 3.10_130416)	H.264 MPEG4 M-JPEG	1	1280x1024	1-way	1/1	-	Yes	Yes	-	Supported by design
SNB-5001	1.00_120521	H.264 M-JPEG	1	1280x1024	-	1/0	-	Yes	-	Yes	
SNB-5003	1.12_131031	H.264 M-JPEG	1	1280x1024	*2	*2	*2	Yes	-	Yes	Test by link
SNB-5004	3.00_140903	H.264	1	1280x1024	2-way	1/1	Yes*	Yes	-	Yes	
Note:	1.The camera with highest quality and resolution is unable to achieve 30 fps if the format is MJPEG . (Camera performance limitation) For SNB-5003, SNB-5004, SND-5083, SND-5084 and SNV-5084: 1. Camera can support 128 preset points, but we are only support 64 preset points. 2. If user do change audio setting in the website, then the previous connection will be interrupted and re-connect.										
SNB-6003	refer to SND-6083(FW 1.00_130412)	H264 MJPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	Yes	Supported by design



Yes: multi stream fix to A4500kbps/100kbps
Yes*: multi stream setting support in Crystal

Yes*: Joystick support to control PTZ speed in Crystal

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	Camera Search Tool	Multi Stream Support	Remarks
SNB-6004	Refer to SND-6084(SNV-6084R-V3.01_140804)	H264 MJPEG	1	1920x1080	*2	*2	Yes	Yes	*2	Yes*	Supported by design
SND-6011R	1.11_131011	H.264 M-JPEG	1	1920x1080	-	*2	-	Yes	-	Yes*	
SNB-7000	Refer to SND-7080	H.264 M-JPEG	1	2048x1536	1-way	1/1	-	Yes	-	Yes	Supported by design
SNB-7001	Refer to SND-7011	H.264 M-JPEG	1	2048x1536	-	1/0	-	Yes	-	Yes	Supported by design
SNB-7002	1.06_130402	H.264 M-JPEG	1	2048x1536	1-way	1/1	-	Yes	Yes	Yes	
note:	Sometimes can't get correct UI setting because camera response time too long.										
note:	3.00_140915	H.264	1	2048x1536	1-way	1/1	Yes*	Yes	-	Yes*	
SNC-B2315	2.01	MPEG4 M-JPEG	1	720x576	1-way	2/2	-	Yes	-	-	
SNC-B2331	v1.00_090810	H.264 MPEG4 M-JPEG	1	720x576	-	2/2	-	Yes	-	-	
SNC-B2335	v1.10_100129	H.264 MPEG4 M-JPEG	1	720x576	1-way	2/2	-	Yes	-	-	
SNC-B5368	v1.00_091001	H.264 MPEG4 M-JPEG	1	720x576	-	2/2	-	Yes	-	-	
SNC-B5395	2.10	MPEG4 M-JPEG	1	720x576	1-way	2/2	-	Yes	-	-	
SNC-B5399	v1.10_091120	H.264 MPEG4 M-JPEG	1	720x576	1-way	2/2	-	Yes	-	-	
SNC-C6225	1.01	MPEG4 M-JPEG	1	720x576	1-way	2/1	Yes	Yes	-	-	
SNC-C7225	1.01	MPEG4 M-JPEG	1	720x576	1-way	2/1	Yes	Yes	-	-	Supported by design
SNC-C7478	v1.01_090625	MPEG4 M-JPEG	1	720x576	1-way	8/4	Yes	Yes	-	-	
SNC-M300	v2.11_090729	MPEG4 M-JPEG	1	2048x1536	1-way	2/2	-	Yes	-	-	
SND-1010	v1.07_110407	H.264 MPEG4 M-JPEG	1	640x480	-	1/1	-	Yes	-	Yes	
Note:	This is POE camera, but the device is unstable without AC power connection. We suggest connecting with AC power.										
Note:	I/O and MD is unstable, which is a known issue reported by Samsung. They won't do any change since the camera is discontinued.										



- : not available on camera
 *1: not available on software
 *2: not test on software

For multi stream support:

Yes: multi stream fix to A4500kbps/100kbps

Yes*: multi stream setting support in Crystal

For PTZ:

Yes*: Joystick support to control PTZ speed in Crystal

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	Camera Search Tool	Multi Stream Support	Remarks
SND-1011	1.00_111226	H.264 M-JPEG	1	640x480	-	1/0	-	Yes	-	Yes	Test by link
SND-1080	1.00_111226	H.264 M-JPEG	1	640x480	1-way	1/0	-	Yes	-	Yes	Test by link
SND-3080		H.264 MPEG4 M-JPEG	1	720x576	-	2/2	-	-	-	-	Supported by design
SND-3082	Refer to SND-3082/F(2.10_130416)	H.264 MPEG4 M-JPEG	1	704x576(PAL) 704x480(NTSC)	1-way	1/1	-	Yes	Yes	Yes	Supported by design
SND-3082/F	2.10_130416	H.264 MPEG4 M-JPEG	1	704x576(PAL) 704x480(NTSC)	1-way	1/1	-	Yes	Yes	Yes	
SND-5010	1.00_120626	H.264 M-JPEG	1	1280*1024	-	0/0	-	Yes	-	Yes	
SND-5011	1.00_120521	H.264 M-JPEG	1	1280x1024	-	1/0	-	Yes	-	Yes	
SND-5061	1.00_120521	H.264 M-JPEG	1	1280x1024	-	1/0	-	Yes	-	Yes	
SND-5080	3.10_130416	H.264 MPEG4 M-JPEG	1	1280x1024	1-way	1/1	-	Yes	Yes	Yes	
SND-5083	1.12_131031 refer to SNB-5003	H.264 M-JPEG	1	1280x1024	1-way	1/1	Yes	Yes	-	Yes	
SND-5084	1.12_131031 refer to SNB-5004	H.264 M-JPEG	1	1280x1024	1-way	1/1	Yes	Yes	-	Yes	
SND-6083	1.00_130412	H264 MJPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	Yes	
SND-6084	SNV-6084R-V3.01_140804	H264 MJPEG	1	1920x1080	*2	*2	Yes	*2	*2	Yes*	
Note:	1. The camera with higher quality and resolution is unable to achieve 30 fps (Camera performance issue)										
SND-6084R	1.00_130316 refer to SNB-6004	H264 MJPEG	1	1920x1080	*2	*2	Yes	*2	-	Yes	Supported by design
SND-7011	1.00_120601	H.264 M-JPEG	1	2048x1536	-	1/0	-	Yes	-	Yes	
Note:	Sometimes can't get correct UI setting because camera response time too long.										
SND-7061	Refer to SND-7011	H.264 M-JPEG	1	2048x1536	-	1/1	-	Yes	-	Yes	Supported by design
SND-7080	v1.10_110819	H.264 M-JPEG	1	2048x1536	1-way	1/1	-	Yes	-	Yes	
SND-7082	1.00_120824	H.264 M-JPEG	1	2048x1536	1-way	1/1	-	Yes		Yes	
SND-7082/F	refer to SNB-7002 (1.06_130402)	H.264 M-JPEG	1	2048x1536	1-way	1/1	-	Yes	Yes	Yes	



- : not available on camera
 *1: not available on software
 *2: not test on software

For multi stream support:

Yes: multi stream fix to A4500kbps/100kbps

Yes*: multi stream setting support in Crystal

For PTZ:

Yes*: Joystick support to control PTZ speed in Crystal

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	Camera Search Tool	Multi Stream Support	Remarks
Note:	Sometimes can't get correct UI setting because camera response time too long.										
SND-7084	Refer to SND-7084R(0.51_140116)	H.264	1	2048x1536	1-way	1/1	-	Yes	-	Yes*	Supported by design
SND-7084R	0.51_140116	H.264	1	2048x1536	1-way	1/1	-	Yes	-	Yes*	
Note:	1.Snapshot's resolution will follow MJPEG stream. (Camera Firmware issue)										
SND-L6013R	Refer to SNO-L6083R (1.00_150403)	H.264 M-JPEG	1	1920x1080	*2(1-way)	-	-	*2(Yes)	-	Yes*	Supported by design
SNF-7010	1.00_130806	H264 MJPEG	1	2048x1536	1-way	-	-	Yes	-	Yes	
Note:	Fisheye camera										
SNF-8010N	1.00_140719	H.264 M-JPEG	1	2560x2048	*2	*2	-	*2	-	Yes*	
Note:	1. The list of camera's stream 2 and stream 3 frame rate is not synchronized with the one on camera's web. (Camera Firmware issue) 2.To get OSD correct value need to reconnect by manual to connect the correct stream after parameters setting. (Camera Firmware issue)										
SNO-1080R	1.00_120125	H.264 M-JPEG	1	640x480	-	1/0	-	Yes	-	Yes	Test by link
SNO-5080R	3.10_130416	H.264 MPEG4 M-JPEG	1	1280x1024	1-way	1/1	-	Yes	Yes	Yes	
SNO-6011R	refer to SND-6011R(1.11_131011)	H.264 M-JPEG	1	1920x1080	-	*2	-	Yes	*2	Yes*	Supported by design
SNO-L6083R	1.00_150403	H.264 M-JPEG	1	1920x1080	*2	-	-	*2	-	Yes*	
Note:	1. Frame rate list does not sync with web. (Camera Firmware issue)										
SNO-6084	refer to SND-6083(1.00_130412)	H264 MJPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	Yes	Supported by design
SNO-6084R	1.00_130316 refer to SNB-6004	H264 MJPEG	1	1920x1080	*2	*2	Yes	*2	-	Yes	Supported by design
SNO-7080R	2.00_121004	H.264 MJPEG	1	2048x1536	*2	*2	Yes	Yes	-	Yes*	Test by link
SNO-7082R	refer to SNB-7002 (1.06_130402)	H.264 M-JPEG	1	2048x1536	1-way	1/1	-	Yes	Yes	Yes	Supported by design
SNO-7084R	3.00_140915	H.264	1	2048x1536	*2	1/1	Yes	*2	-	Yes*	

[illegible]



- : not available on camera
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 *2: not test on software

For multi stream support:

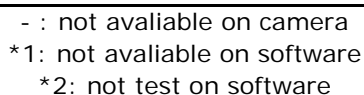
Yes: multi stream fix to A4500kbps/100kbps

Yes*: multi stream setting support in Crystal

For PTZ:

Yes*: Joystick support to control PTZ speed in Crystal

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	Camera Search Tool	Multi Stream Support	Remarks
SNP-6200	V1.00_120302	H.264 M-JPEG	1	1920x1080	1-way	4/2	Yes	Yes	-	Yes	
SNP-6200H	refer to SNP-6200(FW V1.00_120302)	H.264 M-JPEG	1	1920x1080	1-way	4/2	Yes	Yes	-	Yes	Supported by design
SNP-6200HP	refer to SNP-6200(FW V1.00_120302)	H.264 M-JPEG	1	1920x1080	1-way	4/2	Yes	Yes	-	Yes	Supported by design
SNP-6200P	refer to SNP-6200(FW V1.00_120302)	H.264 M-JPEG	1	1920x1080	1-way	4/2	Yes	Yes	-	Yes	Supported by design
SNP-6200RH	3.02_140722	H.264 M-JPEG	1	1920x1080	1-way	4/2	Yes	Yes	Yes	Yes*	
Note:	Camera is unable to achieve maximum FPS with high quality / bitrate. (Camera performance limitation)										
SNP-6320H	1.01_141007	H.264 MJPEG	1	1920x1080	1-way	4/2	Yes	Yes	*2	Yes*	
SNV-1080	Refer to SNO-1080R(FW 1.00_120125)	H.264 M-JPEG	1	640x480	1-way	1/0	-	Yes	-	Yes	Test by link
SNV-1080R	Refer to SNO-1080R(FW 1.00_120125)	H.264 M-JPEG	1	640x480	1-way	1/0	-	Yes	-	Yes	Test by link
SNV-3080		H.264 MPEG4 M-JPEG	1	720x576	1-way	2/2	-	-	-	-	Supported by design
Note:	Please unchek the "RTSP time out" first.										
SNV-3082	refer to SND-3082 (FW	H.264 MPEG4 M-JPEG	1	704x576(PAL) 704x480(NTSC)	1-way	1/1	-	Yes	Yes	Yes	
SNV-3120	v1.24_110816	H.264 MPEG4 M-JPEG	1	704x480	1-way	1/1	Yes	-	-	Yes	
Note:	PTZ: support zoom and focus.										
SNV-5010	v2.00_110727	H.264 MPEG4 M-JPEG	1	1280x1024	1-way	-	-	Yes	-	Yes	
Note:	The frame rate of main stream decrease to the half if watching dual stream video. Camera vendor fix this issue in FW 2.10_111227.										
SNV-5080	refer to SND-5080(FW3.10_130416)	H.264 MPEG4 M-JPEG	1	1280x1024	1-way	1/1	-	Yes	Yes	Yes	Supported by design
SNV-5080R	3.10_130416	H.264 MPEG4 M-JPEG	1	1280x1024	1-way	1/1	-	Yes	Yes	Yes	



Yes: multi stream fix to A4500kbps/100kbps
Yes*: multi stream setting support in Crystal

Yes*: Joystick support to control PTZ speed in Crystal

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	Camera Search Tool	Multi Stream Support	Remarks
Note:	1. SNV-5080 is compatible with SNV-5080R 2. It's likely failed to query camera parameter in high resolution configuration. It happens on SNO-5080R most. When encountering this issue, please go to camera web.										
SNV-5084	1.12_131031 refer to SNB-5004	H.264 M-JPEG	1	1280x1024	1-way	1/1	Yes	Yes	-	Yes	
SNV-6012M	1.00_130704	H264 MJPEG	1	1920x1080	*2	*2	Yes	*2	-	Yes	
SNV-6084	refere to SND-6083 (FW 1.00_130412)	H264 MJPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	Yes	Supported by design
SNV-6084R	1.00_130316 refer to SNB-6004	H264 MJPEG	1	1920x1080	*2	*2	Yes	*2	-	Yes	Supported by design
SNV-7080	Refer to SND-7080	H.264 M-JPEG	1	2048x1536	1-way	1/1	-	Yes	-	Yes	Supported by design
SNV-7080R	2.00_121004	H.264 MJPEG	1	2048x1536	*2	*2	Yes	Yes	-	Yes*	
SNV-7082	refer to SNB-7002(1.06_130402)	H.264 M-JPEG	1	2048x1536	1-way	1/1	-	Yes	Yes	Yes	Supported by design
Note:	Sometimes can't get correct UI setting because camera response time too long.										
SNV-7084	Refer to SND-7084R(0.51	H.264	1	2048x1536	1-way	1/1	-	Yes	-	Yes*	Supported by design
SNV-7084R	Refer to SND-7084R(0.51	H.264	1	2048x1536	1-way	1/1	-	Yes	-	Yes*	Supported by design
SNV-L6083R	1.00_150403	H.264	1	1920x1080	*2	-	-	*2	-	Yes*	
Note:	1. Frame rate list with stream 2 is not synchronized with web. (Camera Firmware issue)										
SNZ-5200	v1.05_111216	H.264 MPEG4 M-JPEG	1	1280x1024	1-way	1/1	Yes	Yes	-	Yes	
SPE-100	v1.19_110317	H.264 MPEG4 M-JPEG	1	704x480	1-way	1/1	Yes	Yes	-	Yes	
Note:	SPE-100 PTZ is abnormal, which PTZ may not be stopped after operating. This is camera FW bug, we can observe the same phenomenon on camera web.										
SPE-400	S/W : 1.40_120201	H.264 MPEG4 M-JPEG	1	704x480	1-way	4/4	Yes	Yes	-	Yes	Test by link
Note:	SPE-400 is 4IP x 4channels video server										
Note:	All cameras: it's likely failed to query camera parameter in high resolution configuration. It happens on SNO-5080R most. When encountering this issue, please go to camera web.										
Note:	All cameras: if configuring fixed frame rate on camera web, parameter selection on NVR web page won't be synchronized.										

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	Camera Search Tool	Multi Stream Support	Remarks
Note:	For Samsung SNB-7002, SNV-7082, SND7082/F and SNO-7082R, when Frame rate sets to 1, there is no image via RTSP. For Samsung SND-3082, SND-3082/F and SNB-3002, video parameter: brightness doesn't work. For Samsung SNB-7002, SNV-7082, SND7082/F and SNO-7082R, resolution sets to 800*450 & 320*180, but actually 800*448 & 320*176.										



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- : not available on camera
 *1: not available on software
 *2: not test on software

For multi stream support:

Yes: multi stream fix to A4500kbps/100kbps

Yes*: multi stream setting support in Crystal

For PTZ:

Yes*: Joystick support to control PTZ speed in Crystal

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Multi Stream Support	Remarks
SNC-100PBIA	BurgWaechter_IPC-HX5X2X-	H.264 MJPEG	1	1280x960	1-way	-	-	Yes	Yes	Yes*	
Note:	1. Video parameter only works on normal profile due to camera response without profile information from cgi. (Camera Firmware issue) 2. UPnP search can not be used. (Camera Firmware issue) 3. Stream parameter setting may fail if the ranges of bitrate is not synchronized with the camera web. (Camera Firmware issue) 4. Can not support H.264H and H.264B for format. (NUUO server limitation) 5. G.711mu 8k has noise. (Camera Firmware issue) 6. G.711mu 16k and AAC can not be used. (NUUO server limitation)										
SNC-200PDIA	BurgWaechter_IPC-HFW2(4)X01	H.264 MJPEG	1	1920x1080	-	-	Yes	Yes	Yes	Yes*	
Note:	1. Image rotation may not sync with web. (Camera Firmware Issue) 2. When motion trigger or in low-light situation, camera will disconnect. (Camera performance limitation) 3. Upnp search can not be used. (Camera Firmware Issue) 4. Framerate & Bitrate list can not sync with web. (Camera Firmware Issue)										
SNC-211FDIA	Refer to SNC-200PDIA(V2.210.BW00.8.R.20151124)	H.264 MJPEG	1	1920x1080	-	-	-	Yes	Yes	Yes*	Supported by design
SNC-211RSIA	2.210.BW01.0.R.A.2017.3 N.NR, build : 2015-04-09	H.264 MJPEG	1	1920x1080	1-way	2/1	Yes*	Yes	Yes	Yes*	
Note:	1.Audio in with 16 KHz sampling rate does not supported. (NUUO server limitation) 2.Camera UPNP Search does not supported (Camera Firmware issue) 3.Auto Focus function does not supported (Camera Firmware issue) 4.Stream parameter setting may fail if the ranges of bitrate and framerate are not synchronized with the camera web. (Camera Firmware issue) 5.Server Bitrate Value may not sync with web interface. (Camera Firmware issue) 6.Mirror function integrated with flip function, mirror button does not work. (Camera Firmware issue)										
SNC-231RZNA	V2.400.BW06.0.R.T1.484, build : 2016-01-13	H.264 MJPEG	1	1920x1080	-	-	Yes*	Yes	*2	Yes*	
SNC-311FEIF	V2.420.BW00.0.T.20150213	H.264 MJPEG	1	2048x1536	-	-	-	Yes	Yes	Yes*	
Note:	1. Camera search is not supported. (Camera Firmware issue) 2. Stream parameter setting may fail if the ranges of bitrate and framerate are not synchronized with the camera web. (Camera performance limitation) 3. HTTP and RTSP port cannot be changed on the camera web. (Camera Firmware issue)										
SNC-311FBIF	Refer to SNC-311FEIF (V2.420.BW00.0.T.20150213)	H.264 MJPEG	1	2048x1536	-	-	-	Yes	Yes	Yes*	Supported by design



SANTEC

- : not available on camera
 *1: not available on software
 *2: not test on software

For multi stream support:

Yes: multi stream fix to A4500kbps/100kbps

Yes*: multi stream setting support in Crystal

For PTZ:

Yes*: Joystick support to control PTZ speed in Crystal

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Multi Stream Support	Remarks
SNC-331DLNN	v2.400.BW00.0.R	H.264 MJPEG	1	2048x1536	1-way	2/1	Yes	Yes	Yes	Yes*	
Note:	1. PTZ can not be used.(Camera Firmware issue) 2. Flip/Mirror could not work.(Camera Firmware issue) 3. Stream parameter setting may fail if the ranges of bitrate and framerate are not synchronized with the camera web. (Camera Firmware issue) 4. UPnP can not be used(Camera Firmware issue)										
SNC-311RBIA	2.420.BW00.0.T	H.264 MJPEG	1	2048x1536	1-way	2/1	Yes	Yes	Yes	Yes*	
Note:	1. Camera search is not supported. (Camera Firmware issue) 2. Autodetection will detect the wrong model. (Camera Firmware issue) 3. Stream parameter setting may fail if the ranges of bitrate and framerate are not synchronized with the camera web. (Camera performance limitation) 4. Pan and tilt are not supported. (Camera performance limitation) 5. Camera does not stop zooming until it reaches the end. (Camera Firmware issue) 6. Some frame rates are not supported if the video format is H.264H. (Camera performance limitation) 7. Video parameter setting, flip and mirror are supported under normal mode. (NUUO server limitation)										
SNC-311RDIA	Refer to SNC-311RBIA(2.420.BW00.0.T)	H.264 MJPEG	1	2048x1536	1-way	2/1	Yes	Yes	Yes	Yes*	Supported by design
SNC-311RINA	Refer to SNC-311RBIA(2.420.BW00.0.T)	H.264 MJPEG	1	2048x1536	1-way	2/1	Yes	Yes	Yes	Yes*	Supported by design
SNC-3302	v1.0.3.447	H.264 M-JPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	Yes*	Supported by design
SNC-3303	v1.0.3.454	H.264 M-JPEG	1	2048x1536	1-way	1/1	Yes	Yes	Yes	Yes*	
Note:	1. Audio stutter with the setting MJPEG 1920x1080 25fps quality: 70 in TCP protocol. 2. The snapshot will failed when there are no MJPEG stream. 3 Camera with MJPEG resolution 1920x1080 is unable to achieve 20 fps										
SNC-3305	v1.0.2.386	H.264	1	2592x1944	1-way	1/1	-	Yes	Yes	Yes*	
Note:	M-JPEG on high resolution and quality may not get parameter. Audio has some noise in high resolution. The range of framerate is not sync. with web when resolution is 2048x1536 and PAL mode.										
SNC-3322	v1.0.3.447	H.264 M-JPEG	1	1920x1080	1-way	1/1	Yes	Yes	Yes	Yes*	
Note:	1. M-JPEG on high resolution and quality may not get parameter. 2. Audio has some noise in high resolution. 3. SNC-3322 PTZ not support preset. 4.The frame interval will be unstable under high stream setting, it will cause video and audio not smoothly and image broken. 5.Snapshot resolution is always the same as MJPEG resolution.(Camera limitation)										
SNC-3342	1.0.0.11	H.264 M-JPEG	1	1600x1200	1-way	1/1	-	Yes	Yes	Yes	



SANTEC

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 *2: not test on software

For multi stream support:

Yes: multi stream fix to A4500kbps/100kbps

Yes*: multi stream setting support in Crystal

For PTZ:

Yes*: Joystick support to control PTZ speed in Crystal

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Multi Stream Support	Remarks
SNC-3901MDN	5.2.3	H.264 MPEG4 M-JPEG	1	1280x1024	1-way	1/1	Yes	Yes	Yes	Yes	
SNC-3903M	9.6.1	H.264 MPEG4 M-JPEG	1	2048x1536	1-way	1/1	Yes	Yes	Yes	Yes	
Note:	PTZ is only supported by external RS-485 device.										
SNC-390DN/W	1.5	MPEG4 M-JPEG	1	720x576	1-way	1/1	Yes	Yes	Yes	Yes	
Note:	PTZ is only supported by external RS-485 device.										
SNC-4323IR	refer to SNC-6323IRH(1.0.3.454)	H.264 M-JPEG	1	1920x1080	1-way	1/1	Yes	Yes	Yes	Yes*	Supported by design
SNC-4302	v1.0.3.447	H.264 M-JPEG	1	1920x1080	1-way	-	-	Yes	Yes	Yes*	
SNC-431FBIF	V2.400.BW00.O.R.20160324	H.264 MJPEG	1	2688x1520	-	-	-	*2	*2	Yes*	
Note:	1. The camera with highest parameter is unable to achieve setting frame rate. (Camera performance issue) 2. The camera with highest parameter is unable to achieve setting bitrate. (Camera performance issue)										
SNC-431FEIF	Refer to SNC-431FBIF(V2.400.BW00.O.R.20160324)	H.264 MJPEG	1	2688x1520	-	-	-	*2	*2	Yes*	Supported by design
SNC-431RBIA	Refer to SNC-100PBIA(2.400.BW00.O.T, build : 2015-10-22)	H.264 MJPEG	1	1280x960	1-way	-	-	Yes	Yes	Yes*	Supported by design
SNC-431RDIA	Refer to SNC-100PBIA(2.400.BW00.O.T, build : 2015-10-22)	H.264 MJPEG	1	1280x960	1-way	-	-	Yes	Yes	Yes*	Supported by design
SNC-431RLNN	Refer to SNC-331DLNN(V2.400.BW00.O.R, build : 2015-7-27)	H.264 MJPEG	1	2048x1536	1-way	2/1	Yes	Yes	Yes	Yes*	Supported by design
SNC-5211MIR	5.2.2	H.264 MPEG4 M-JPEG	1	1280x1024	1-way	1/1	-	Yes	Yes	Yes	Supported by design
SNC-5211R/W	1.5	MPEG4 M-JPEG	1	720x576	1-way	1/1	-	Yes	Yes	Yes	



SANTEC

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For multi stream support:

Yes: multi stream fix to A4500kbps/100kbps

Yes*: multi stream setting support in Crystal

For PTZ:

Yes*: Joystick support to control PTZ speed in Crystal

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Multi Stream Support	Remarks
SNC-5312IR	Refer to SNC-6312IRH(v1.0.2.386)	H.264	1	1920x1080	1-way	1/1	Yes	Yes	Yes	Yes*	Supported by design
SNC-5312MIR		H.264 MPEG4 M-JPEG	1	2048x1536	1-way	1/1	Yes	Yes	Yes	Yes	Supported by design
SNC-5315IR	Refer to SNC-6315IRH(v1.0.2.386)	H.264	1	1920x1080	1-way	1/1	Yes	Yes	Yes	Yes*	Supported by design
SNC-5323IRH	refer to SNC-6323IRH(1.0.3.454)	H.264 M-JPEG	1	1920x1080	1-way	1/1	Yes	Yes	Yes	Yes*	Supported by design
SNC-5651R/W	1.5	MPEG4 M-JPEG	1	720x576	1-way	1/1	-	Yes	Yes	Yes	
SNC-6163ID		H.264 MPEG4 M-JPEG	1	2048x1536	1-way	1/1	Yes	Yes	Yes	Yes	Supported by design
SNC-620/W	1.0.1.5	MPEG4 M-JPEG	1	720x576	1-way	1/1	-	Yes	-	Yes	Tested by manufacturer
SNC-6201M	5.2.2	H.264 MPEG4 M-JPEG	1	1280x1024	1-way	1/1	-	Yes	Yes	Yes	Supported by design
SNC-6202	Refer to SNC-3302(v1.0.3.447)	H.264 M-JPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	Yes*	Supported by design
SNC-6212IR	Refer to SNC-6312IRH(v1.0.2.386)	H.264 M-JPEG	1	1920x1080	1-way	1/1	Yes	Yes	Yes	Yes*	Supported by design
SNC-6221MIR	5.2.2	H.264 MPEG4 M-JPEG	1	1280x1024	1-way	1/1	-	Yes	Yes	Yes	Supported by design
SNC-6223MIR		H.264 MPEG4 M-JPEG	1	2048x1536	1-way	1/1	Yes	Yes	Yes	Yes	Supported by design
SNC-6301M	5.2.2	H.264 MPEG4 M-JPEG	1	1280x1024	1-way	1/1	-	Yes	Yes	Yes	Supported by design
SNC-6302	Refer to SNC-3302(v1.0.3.447)	H.264 M-JPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	Yes*	Supported by design
Note: M-JPEG on high resolution and quality may not get parameter. Audio has some noise in high resolution.											
SNC-6303	refer to SNC-3303(1.0.3.454)	H.264 M-JPEG	1	2048x1536	1-way	1/1	Yes	Yes	Yes	Yes*	Supported by design
SNC-6303M		H.264 MPEG4 M-JPEG	1	2048x1536	1-way	1/1	Yes	Yes	Yes	Yes	Supported by design



SANTEC

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For multi stream support:

Yes: multi stream fix to A4500kbps/100kbps

Yes*: multi stream setting support in Crystal

For PTZ:

Yes*: Joystick support to control PTZ speed in Crystal

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Multi Stream Support	Remarks
SNC-6312IRH	v1.0.2.386	H.264 M-JPEG	1	1920x1080	1-way	1/1	Yes	Yes	Yes	Yes*	
SNC-6315IRH	v1.0.2.386	H.264 M-JPEG	1	2592x1944	1-way	1/1	Yes	Yes	Yes	Yes*	
Note:	M-JPEG on high resolution and quality may not get parameter. Audio has some noise in high resolution. The range of framerate is not sync. with web when resolution is 2048x1536 and PAL mode. SNC-6312IRH and SNC-6315IRH PTZ only support zoom and focus.										
SNC-6323IRH	v1.0.3.454	H.264 M-JPEG	1	1920x1080	1-way	1/1	Yes	Yes	Yes	Yes*	
Note:	1. Audio stutter with the setting MJPEG 1920x1080 25fps quality: 70 in TCP protocol. 2. The snapshot will failed when there are no MJPEG stream. 3 Camera with MJPEG resolution 1920x1080 is unable to achieve 20 fps										
SNC-6332	1.0.0.10	H.264 M-JPEG	1	1600x1200	1-way	4/1	-	-	Yes	Yes	
SNC-670ID/W	1.0.1.5	MPEG4 M-JPEG	1	720x576	1-way	1/1	Yes	Yes	-	Yes	Tested by manufacturer
SNC-8322I/HO	v1.0.3.447	H264 M-JPEG	1	1920x1080	1-way	4/2	Yes	Yes	Yes	Yes*	Supported by design
SNC-P3601M	5.2.2	H.264 MPEG4 M-JPEG	1	1280x1024	1-way	1/1	-	Yes	Yes	Yes	Supported by design



*2: not test on software

Yes*: multi stream setting support in Crystal

Yes*: Joystick support to control PTZ speed in Crystal

1.3 megapixel and 3 megapixel cameras: with HW restrictions, the video @ H.264 with TCP protocol is not smooth in the conditions of high resolution, fps and bitrate.



- : not available on camera

*1: not available on software

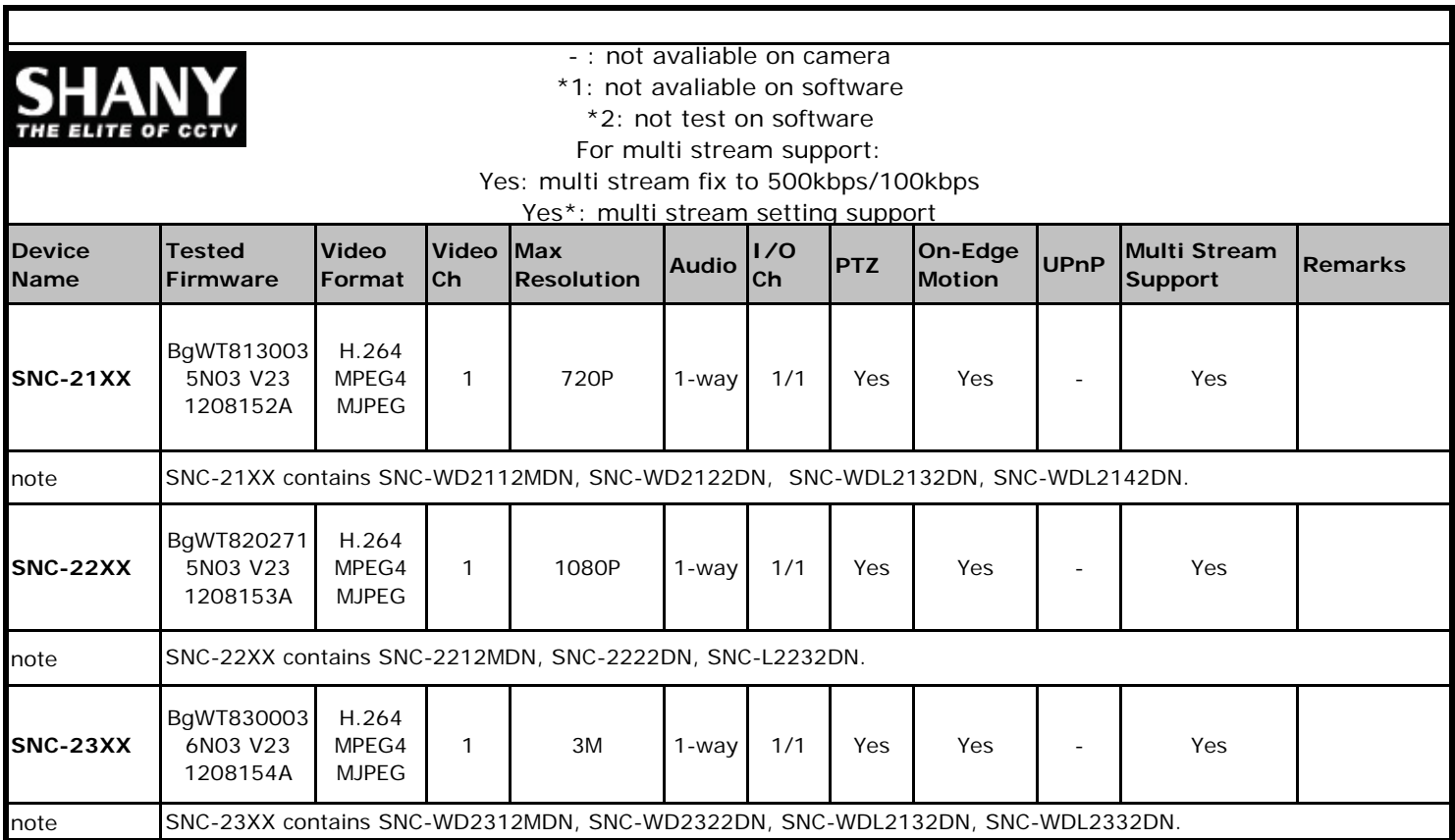
*2: not test on software


For multi stream support:

Yes: multi stream fix to 500kbps/100kbps

Yes*: multi stream setting support

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Multi Stream Support	Remarks
FBN-D101N	v1.0.1_20121005	M-JPEG H.264	1	1280x720	1-way	1/1	-	Yes	-	Yes	Supported by design
FBN-D101P	v1.0.1_20121005	M-JPEG H.264	1	1280x720	1-way	1/1	-	Yes	-	Yes	Supported by design
PSN-1012N	v1.0.4_20121029	M-JPEG H.264	1	1920x1080	1-way	2/1	Yes	Yes	-	Yes	Supported by design
PSN-1012P	v1.0.4_20121029	M-JPEG H.264	1	1920x1080	1-way	2/1	Yes	Yes	-	Yes	Supported by design
PSSN-1012N	v1.0.4_20121029	M-JPEG H.264	1	1920x1080	1-way	2/1	Yes	Yes	-	Yes	Supported by design
PSSN-1012P	v1.0.4_20121029	M-JPEG H.264	1	1920x1080	1-way	2/1	Yes	Yes	-	Yes	Supported by design
RIN-0012N	v1.0.4_20121029	H.264	1	1920x1080	1-way	1/1	-	Yes	-	Yes	Supported by design
RIN-0012P	v1.0.4_20121029	H.264	1	1920x1080	1-way	1/1	-	Yes	-	Yes	Supported by design



<div>  <div> : not available on camera *1: not available on software *2: not test on software For multi stream support: Yes: multi stream fix to 500kbps/100kbps Yes*: multi stream setting support in Crystal For PTZ: Yes*: Joystick support to control PTZ speed in Crystal </div> </div>												
Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Camera Search Tool	Multi Stream Support	Remarks
Generic	1.7.0	H.264 M-JPEG	1	All	1-way	2/2	-	Yes	-	Yes	Yes	
Note:	Support G6 model. In certain scenarios i.e. under high frame rate and resolution with multiple stream condition, camera might have limitation by bandwidth specification. For further information, please visit Sony A&E Portal: https://www.security.sony.biz/ssp/ae/homeDisplay.do											
SNC-CH110/B / SNC-CH110/S	1.27.00	H.264 MPEG4 M-JPEG	1	1280x960	-	-	-	Yes	-	Yes	Yes*	
SNC-CH120	1.80	H.264 MPEG4 M-JPEG	1	1280x1024	-	1/0	-	Yes	-	Yes	Yes	
SNC-CH140	1.07.00	H.264 MPEG4 M-JPEG	1	1280x1024	1-way	1/2	-	Yes	-	Yes	Yes*	
SNC-CH160	1.82.01	H.264 M-JPEG	1	1280x1024	-	1/1	Yes	Yes	-	Yes	Yes*	
Note:	Camera is unable to achieve 30 fps with resolution 1280x1024.											
SNC-CH180	1.26.01	H.264 MPEG4 M-JPEG	1	1280x1024	1-way	1/2	-	Yes	-	Yes	Yes*	
SNC-CH210	1.78.00	H.264 MPEG4 M-JPEG	1	2048x1536	-	-	-	Yes	-	Yes	Yes*	
Note:	1. SNC-CH210/B and SNC-CH210/S are compatible with SNC-CH210 2. Dualstream can not be enabled when H.264, 1280 x 720, 30 fps is selected for Image 1. 3. The number of connection is 1 for JPEG and 2 for H264 and MPEG4 at the same time.											
SNC-CH220	1.21.02	H.264 MPEG4 M-JPEG	1	1920x1440	-	1/1	-	Yes	-	Yes	Yes*	
SNC-CH240	1.10.01	H.264 MPEG4 M-JPEG	1	1920x1440	1-way	1/2	-	Yes	-	Yes	Yes*	
SNC-CH260	1.78.00	H.264 MPEG4 M-JPEG	1	1920x1440	-	1/1	-	Yes	-	Yes	Yes*	
Note:	1. PTZ function only support zoom tele/wide, focus near/far and auto function. 2. DualStream can not be enabled when the H264, 1920x1080, 30 FPS is selected for Image1. 3. The number of connection is 1 for JPEG and 2 for H264 and MPEG4 at the same time.											
SNC-CH280	1.26.01	H.264 MPEG4 M-JPEG	1	1920x1440	1-way	1/2	-	Yes	-	Yes	Yes*	
SNC-CM120	1.00	MPEG4 M-JPEG	1	1280x960	1-way	1/2	-	Yes	-	Yes	Yes*	
SNC-CS10		MPEG4 M-JPEG	1	640x480	1-way	1/1	-	Yes	-	Yes	Yes*	Supported by design
SNC-CS11	1.05	MPEG4 M-JPEG	1	640x480	1-way	1/1	-	Yes	-	Yes	Yes*	
SNC-CS20		MPEG4 M-JPEG	1	768x576	1-way	1/2	-	Yes	-	Yes	Yes*	Supported by design



: not available on camera
*1: not available on software
*2: not test on software

For multi stream support:

Yes: multi stream fix to 500kbps/100kbps
Yes*: multi stream setting support in Crystal

For PTZ:

Yes*: Joystick support to control PTZ speed in Crystal

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Camera Search Tool	Multi Stream Support	Remarks
SNC-CS3		M-JPEG	1	736x480	-	1/2	-	-	-	Yes	Yes*	Supported by design
SNC-CS50	2.21	MPEG4 M-JPEG	1	640x480	1-way	2/2	-	Yes	-	Yes	Yes*	
SNC-CX600W	1.7.0	H.264 M-JPEG	1	1280x1024	1-way	-	-	Yes	-	Yes	Yes	
Note:	In certain scenarios i.e. under high frame rate and resolution with multiple stream condition, camera might have limitation by bandwidth specification. For further information, please visit Sony A&E Portal: https://www.security.sony.biz/ssp/ae/homeDisplay.do											
SNC-DF50	1.11	H.264 MPEG4 M-JPEG	1	640x480	1-way	1/2	-	Yes	-	Yes	Yes*	
SNC-DF70	1.17	MPEG4 M-JPEG	1	640x480	1-way	1/2	-	Yes	-	Yes	Yes*	
SNC-DF80	1.11	H.264 MPEG4 M-JPEG	1	640x480	1-way	1/2	-	Yes	-	Yes	Yes*	
SNC-DF85		H.264 MPEG4 M-JPEG	1	640x480	1-way	1/2	-	Yes	-	Yes	Yes*	Supported by design
SNC-DH110/B / SNC-DH110/W	1.82.01	H.264 M-JPEG	1	1280x960	-	-	-	Yes	-	Yes	Yes*	
Note:	It would take 30~50 seconds to reconnect after changing video format.											
SNC-DH110T/B / SNC-DH110T/W	Refer to SNC-DH110	H.264 MPEG4 M-JPEG	1	1280x960	-	-	-	Yes	-	Yes	Yes*	Supported by design
SNC-DH120	1.78.00	H.264 MPEG4 M-JPEG	1	1280x1024	-	-	-	Yes	-	Yes	Yes*	
Note:	1. PTZ function only support zoom tele/wide, focus near/far and auto function. 2. Dualstream can not be enabled when H.264, 1280 x 720, 30 fps is selected for Image 1. 3. The connection cannot established with high probability when selected JPEG, high resolution and high quality. 4. The number of connection is 1 for JPEG and 2 for H264 and MPEG4 at the same time.											
SNC-DH140	1.07.00	H.264 MPEG4 M-JPEG	1	1280x1024	1-way	1/2	-	Yes	-	Yes	Yes*	
Note:	Motion detection will be turned off upon changing to maximum resolution. Remember to enable it in camera web.											
SNC-DH160	1.13.00	H.264 MPEG4 M-JPEG	1	1280x1024	-	1/1	-	Yes	-	Yes	Yes*	
SNC-DH180	1.10.02	H.264 MPEG4 M-JPEG	1	1280x1024	1-way	1/2	-	Yes	-	Yes	Yes*	
SNC-DH210/B / SNC-DH210T/B / SNC-		H.264 MPEG4 M-JPEG	1	2048x1536	-	-	-	Yes	-	Yes	Yes*	Supported by design
	1.27.00	H.264 MPEG4 M-JPEG	1	2048x1536	-	-	-	Yes	-	Yes	Yes*	



*1: not available on software

*2: not test on software

For multi stream support:

Yes: multi stream fix to 500kbps/100kbps
Yes*: multi stream setting support in Crystal

For PTZ:

Yes*: Joystick support to control PTZ speed in Crystal

[illegible]



: not available on camera

*1: not available on software

*2: not test on software

For multi stream support:

Yes: multi stream fix to 500kbps/100kbps

Yes*: multi stream setting support in Crystal

For PTZ:

Yes*: Joystick support to control PTZ speed in Crystal

[illegible]

<div><div>SONY</div><div><div>: not available on camera</div><div>*1: not available on software</div><div>*2: not test on software</div><div>For multi stream support:</div><div>Yes: multi stream fix to 500kbps/100kbps</div><div>Yes*: multi stream setting support in Crystal</div><div>For PTZ:</div><div>Yes*: Joystick support to control PTZ speed in Crystal</div></div></div>												
Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Camera Search Tool	Multi Stream Support	Remarks
SNC-ER520	1.42.00	H.264 MPEG4 M-JPEG	1	720x480	1-way	2/1	Yes	Yes	-	Yes	Yes	
SNC-ER521	1.42.00	H.264 MPEG4 M-JPEG	1	720x576	1-way	2/1	Yes	Yes	-	Yes	Yes	
SNC-ER550	1.78.00	H.264 MPEG4 M-JPEG	1	1280x720	1-way	2/1	Yes	Yes	-	Yes	Yes	
Note:	1. Dualstream can not be enabled when H264, 1280x720, 30fps is selected for image 1. 2. The number of connection is 1 for JPEG and 2 for H264 and MPEG4 at the same time. 3. The connection cannot established with high probability when selected JPEG, high resolution and high quality.											
SNC-ER580	1.82.01	H.264 M-JPEG	1	1920x1080	1-way	2/1	Yes	Yes	-	Yes	Yes*	
Note:	For performance consideration, users are unable to watch live videos on both NVR side and camera side.											
SNC-ER585	1.78.00	H.264 MPEG4 M-JPEG	1	1920x1080	*2	*2	Yes	Yes	-	*2	Yes	Tested by link
Note:	MPEG4 texture will break briefly during resolution switch.											
SNC-HM662	1.2.0	H.264 MJPEG	1	2560x1920	1-way	1/1	-	Yes	-	Yes	Yes*	
Note:	Fisheye camera with manual calibration in Crystal 1. Camera is unable to achieve setting frame rate and bit rate. (Camera performance limitation) 2. Doesn't support audio-in and audio-out when the resolution is 2560x1920 via MJPEG. (Camera Firmware issue) 3. When switching the audio codec on camera webpage, the camera won't disconnect automatically. It will cause abnormal sound. (Camera Firmware issue)											
SNC-P1	1.28	MPEG4 M-JPEG	1	640x480	1-way	1/1	-	Yes	-	Yes	Yes	
SNC-P5	1.11	MPEG4 M-JPEG	1	640x480	1-way	2/1	Yes	Yes	-	Yes	Yes	
SNC-RH124	1.84.00	H.264 M-JPEG	1	1280x720	1-way	4/2	Yes	Yes	-	Yes	Yes*	
Note:	1. When camera's format is MJPEG and resolution is larger than 640x480, the connection is unstable. 2. The camera is unable to achieve 30fps with MJPEG format. 3. Camera must reconnect when change the audio codec in web site.											
SNC-RH164	1.10.01	H.264 MPEG4 M-JPEG	1	1280x720	1-way	4/2	Yes	Yes	-	Yes	Yes	
SNC-RS44N		H.264 MPEG4 M-JPEG	1	720x480	1-way	4/2	Yes	Yes	-	Yes	Yes	Supported by design
SNC-RS44P		H.264 MPEG4 M-JPEG	1	720x576	1-way	4/2	Yes	Yes	-	Yes	Yes	Supported by design
SNC-RS46N		H.264 MPEG4 M-JPEG	1	720x480	1-way	4/2	Yes	Yes	-	Yes	Yes	Supported by design
SNC-RS46P	1.10.02	H.264 MPEG4 M-JPEG	1	720x576	1-way	4/2	Yes	Yes	-	Yes	Yes	



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For multi stream support:

Yes: multi stream fix to 500kbps/100kbps

Yes*: multi stream setting support in Crystal

For PTZ:

Yes*: Joystick support to control PTZ speed in Crystal

[illegible]



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*2: not test on software

For multi stream support:

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For PTZ:

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[illegible]



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Yes*: multi stream setting support in Crystal

For PTZ:

Yes*: Joystick support to control PTZ speed in Crystal

[illegible]



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Yes*: Joystick support to control PTZ speed in Crystal

[illegible]



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For multi stream support:

Yes: multi stream fix to 500kbps/100kbps

Yes*: multi stream setting support in Crystal

For PTZ:

Yes*: Joystick support to control PTZ speed in Crystal

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	ONVIF Search	Multi Stream Support	Remarks
Generic	v1.9.0601.100 1.3.0.36.0.0	H.264 M-JPEG	1	2592x1944	1-way	2/2	Yes	Yes	-	-	Yes*	
Note:	Test by IPC54-40EDN in DP v3.13.(FW : v1.9.0601.1001.3.0.36.0.0) (I/O ch : 1/1) 1. The ranges of bitrate and framerate may be different from camera web. (Camera Firmware issue) 2. Motion detection is not supported on MJPEG. (Camera performance limitation) 3. Bitrate of actual streaming may be different from the setting. (Camera Firmware issue) 4. Frame rate of actual streaming may be different from the setting. (Camera Firmware issue)											
IPR54/14ALDN (II)/23	v2.0.0601.100 2.3.0.56.0.0	H.264 MJPEG	1	1920x1080	1-way	-	-	*2	*2	Yes	Yes*	
Note:	1. Auto Detection will fail because it is out of the searching time. If the searching file rotate and start with onvif, the auto-detection is functional and can work properly. (NUUO server limitation)											
IPR56/20APDN /13	v2.0.0701.100 2.3.0.114.1.0	H.264 MJPEG	1	1920x1080	1-way	-	-	*2	*2	Yes	Yes*	
Note:	1. Auto Detection will fail because it is out of the searching time. If the searching file rotate and start with onvif, the auto-detection is functional and can work properly. (NUUO server limitation)											
IPS54/70DN/Z 18	refer to IPS54/70DN/Z R18	H.264 M-JPEG	1	1280x720	1-way	1/0	Yes	Yes	-	-	Yes	Supported by design
IPS54/70DN/Z R18	v1.6_build044 014_027	H.264 M-JPEG	1	1280x720	1-way	1/0	Yes	Yes	-	-	Yes	
IPS54/70DR/Z 18	refer to IPS54/70DN/Z R18	H.264 M-JPEG	1	1280x720	1-way	1/0	Yes	Yes	-	-	Yes	Supported by design
IPS54/70DR/Z R18	refer to IPS54/70DN/Z R18	H.264 M-JPEG	1	1280x720	1-way	1/0	Yes	Yes	-	-	Yes	Supported by design
IPS54/71DN/Z 18	refer to IPS54/70DN/Z R18	H.264 M-JPEG	1	1280x720	1-way	1/0	Yes	Yes	-	-	Yes	Supported by design
IPS54/80DR	refer to IPS54/70DN/Z R18	H.264 M-JPEG	1	1280x720	1-way	1/0	Yes	Yes	-	-	Yes	Supported by design
SN-IPC54/11DN	refer to SN- IPC54/11FDN	H.264 M-JPEG	1	1280x720	1-way	1/1	Yes	Yes	-	-	Yes	Supported by design
SN-IPC54/11EDN	refer to SN- IPC54/11FDN	H.264 M-JPEG	1	1280x720	1-way	1/1	Yes	Yes	-	-	Yes	Supported by design
SN-IPC54/11FDN	v1.6_build044 014_027	H.264 M-JPEG	1	1280x720	1-way	1/1	Yes	Yes	-	-	Yes	



- : not available on camera
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For multi stream support:

Yes: multi stream fix to 500kbps/100kbps

Yes*: multi stream setting support in Crystal

For PTZ:

Yes*: Joystick support to control PTZ speed in Crystal

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	ONVIF Search	Multi Stream Support	Remarks
SN-IPC54/12DN	v2.0.0601.100 2.3.0.56.0.0_20151027	H.264 M-JPEG	1	1920x1080	1-way	1/1	Yes*	Yes	Yes	-	Yes	
Note:	1. Bitrate list is not sync with camera web. (Camera firmware issue) 2. We don't support audio-in via PCM. (NUUO server limitation) 3. Audio-out can not normally work under UDP protocol. (Camera firmware issue) 4. Dose not support mirror. (Onvif limitation)											
SN-IPC54/12EDN	refer to SN-IPD54/12VDN	H.264 M-JPEG	1	1920x1080	1-way	1/1	Yes	Yes	-	-	Yes	Supported by design
SN-IPC54/12FDN	refer to SN-IPD54/12VDN	H.264 M-JPEG	1	1920x1080	1-way	1/1	Yes	Yes	-	-	Yes	Supported by design
SN-IPC54/14EDN	refer to IPD54/12VDN (v1.6_build044014_106)	H.264 M-JPEG	1	1920x1080	1-way	1/1	Yes	Yes	-	-	Yes	Supported by design
SN-IPC54/20DN	1.6_build044011_061	H.264 M-JPEG	1	704x576	1-way	-	-	Yes	-	Yes	-	
SN-IPC54/31EDN	refer to SN-IPV54/31UDR (v1.6_build044014_137)	H.264 M-JPEG	1	2048x1536	1-way	1/1	Yes	Yes	-	-	Yes	Supported by design
SN-IPC54/40EDN	v1.6_build044014_137	H.264 M-JPEG	1	2592x1920	1-way	1/1	Yes	Yes	-	-	Yes	
SN-IPC54/50DN		H.264 M-JPEG	1	1280x720	1-way	-	-	Yes	-	Yes	-	Supported by design
SN-IPD54/11DN		H.264 M-JPEG	1	1280x720	1-way	-	-	Yes	-	Yes	-	Supported by design
SN-IPD54/11VDN	refer to SN-IPC54/11FDN	H.264 M-JPEG	1	1280x720	1-way	1/1	Yes	Yes	-	-	Yes	Supported by design
SN-IPD54/11VDR	refer to SN-IPC54/11FDN	H.264 M-JPEG	1	1280x720	1-way	1/1	Yes	Yes	-	-	Yes*	Supported by design
SN-IPD54/12DN		H.264 M-JPEG	1	1920x1080	1-way	-	-	Yes	-	Yes	-	Supported by design
SN-IPD54/12VDR	refer to SN-IPD54/12VDN	H.264 M-JPEG	1	1920x1080	1-way	1/1	Yes	Yes	-	-	Yes	Supported by design
SN-IPD54/14VDN	refer to IPD54/12VDN (v1.6_build044014_106)	H.264 M-JPEG	1	1920x1080	1-way	1/1	Yes	Yes	-	-	Yes	Supported by design
SN-IPD54/14VDR	refer to IPD54/12VDN (v1.6_build044014_106)	H.264 M-JPEG	1	1920x1080	1-way	1/1	Yes	Yes	-	-	Yes	Supported by design

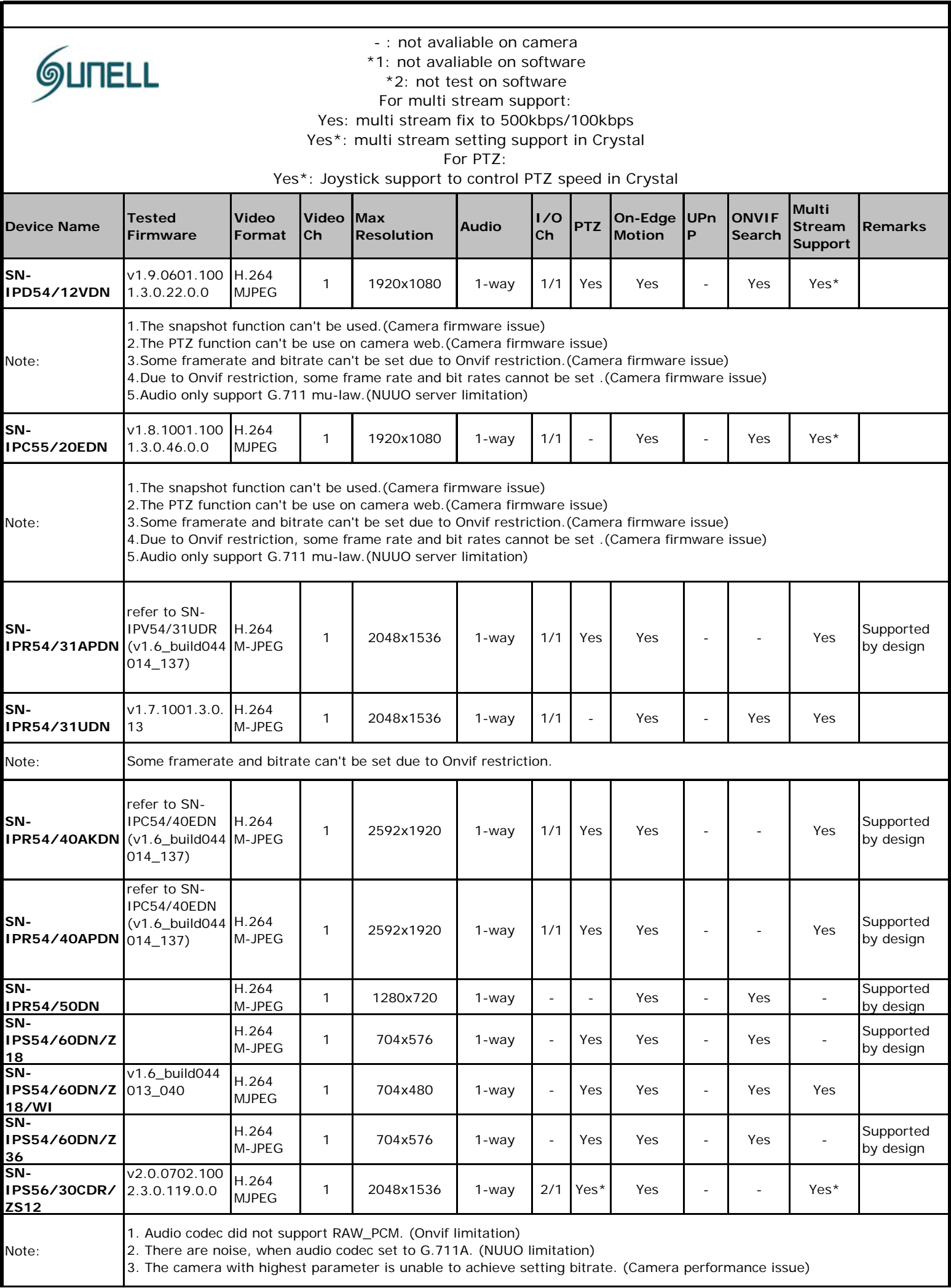


- : not available on camera
 *1: not available on software
 *2: not test on software

For multi stream support:
 Yes: multi stream fix to 500kbps/100kbps
 Yes*: multi stream setting support in Crystal
 For PTZ:

Yes*: Joystick support to control PTZ speed in Crystal

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	ONVIF Search	Multi Stream Support	Remarks
SN-IPD54/31VDN	refer to SN-IPV54/31UDR (v1.6_build044 014_137)	H.264 M-JPEG	1	2048x1536	1-way	1/1	Yes	Yes	-	-	Yes	Supported by design
SN-IPD54/31VDR	refer to SN-IPV54/31UDR (v1.6_build044 014_137)	H.264 M-JPEG	1	2048x1536	1-way	1/1	Yes	Yes	-	-	Yes	Supported by design
SN-IPD54/40VDN	refer to SN-IPC54/40EDN (v1.6_build044 014_137)	H.264 M-JPEG	1	2592x1920	1-way	1/1	Yes	Yes	-	-	Yes	Supported by design
SN-IPR54/11AKDN	refer to SN-IPC54/11FDN	H.264 M-JPEG	1	1280x720	1-way	1/1	Yes	Yes	-	-	Yes	Supported by design
SN-IPR54/11ALDN	refer to SN-IPC54/11FDN	H.264 M-JPEG	1	1280x720	1-way	1/1	Yes	Yes	-	-	Yes	Supported by design
SN-IPR54/11ANDN	refer to SN-IPC54/11FDN	H.264 M-JPEG	1	1280x720	1-way	1/1	Yes	Yes	-	-	Yes	Supported by design
SN-IPR54/11DN	refer to SN-IPC54/11FDN	H.264 M-JPEG	1	1280x720	1-way	1/1	Yes	Yes	-	-	Yes	Supported by design
SN-IPR54/12AKDN	refer to SN-IPD54/12VDN	H.264 M-JPEG	1	1920x1080	1-way	1/1	Yes	Yes	-	-	Yes	Supported by design
SN-IPR54/12ALDN	refer to SN-IPD54/12VDN	H.264 M-JPEG	1	1920x1080	1-way	1/1	Yes	Yes	-	-	Yes	Supported by design
SN-IPR54/12ANDN	refer to SN-IPD54/12VDN	H.264 M-JPEG	1	1920x1080	1-way	1/1	Yes	Yes	-	-	Yes	Supported by design
SN-IPR54/12DN	refer to SN-IPD54/12VDN	H.264 M-JPEG	1	1920x1080	1-way	1/1	Yes	Yes	-	-	Yes	Supported by design
SN-IPR54/14AKDN	refer to IPD54/12VDN (v1.6_build044 014_106)	H.264 M-JPEG	1	1920x1080	1-way	1/1	Yes	Yes	-	-	Yes	Supported by design
SN-IPR54/14APDN	refer to IPD54/12VDN (v1.6_build044 014_106)	H.264 M-JPEG	1	1920x1080	1-way	1/1	Yes	Yes	-	-	Yes	Supported by design
SN-IPR54/31AKDN	refer to SN-IPV54/31UDR (v1.6_build044 014_137)	H.264 M-JPEG	1	2048x1536	1-way	1/1	Yes	Yes	-	-	Yes	Supported by design





- : not available on camera
 *1: not available on software
 *2: not test on software

For multi stream support:

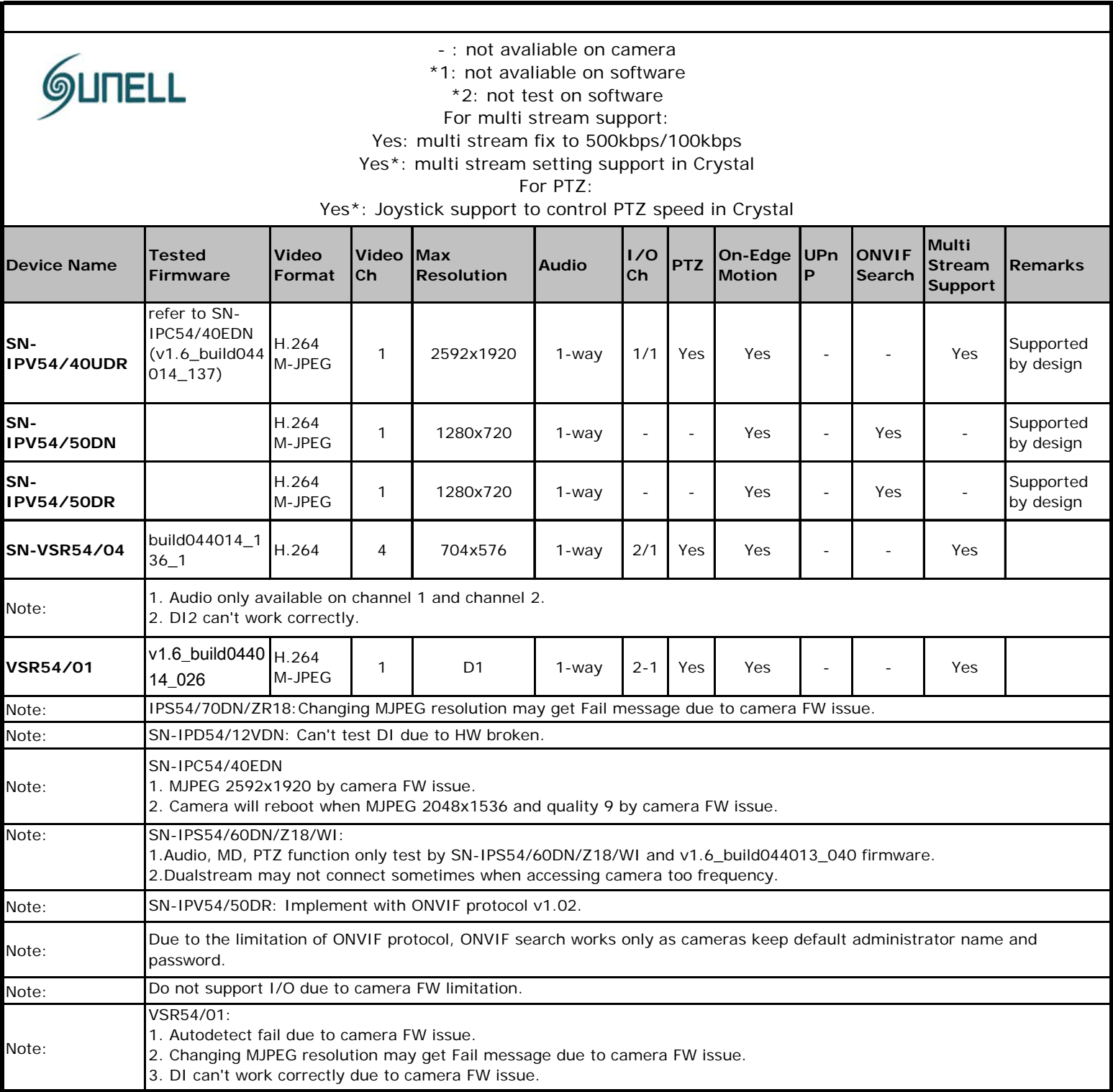
Yes: multi stream fix to 500kbps/100kbps

Yes*: multi stream setting support in Crystal

For PTZ:

Yes*: Joystick support to control PTZ speed in Crystal

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	ONVIF Search	Multi Stream Support	Remarks
SN-IPV54/11DN	refer to SN-IPC54/11FDN	H.264 M-JPEG	1	1280x720	1-way	1/1	Yes	Yes	-	-	Yes	Supported by design
SN-IPV54/11DR	refer to SN-IPC54/11FDN	H.264 M-JPEG	1	1280x720	1-way	1/1	Yes	Yes	-	-	Yes	Supported by design
SN-IPV54/11UDN	refer to SN-IPC54/11FDN	H.264 M-JPEG	1	1280x720	1-way	1/1	Yes	Yes	-	-	Yes	Supported by design
SN-IPV54/11UDR	refer to SN-IPC54/11FDN	H.264 M-JPEG	1	1280x720	1-way	1/1	Yes	Yes	-	-	Yes	Supported by design
SN-IPV54/11ZDR	refer to SN-IPC54/11FDN	H.264 M-JPEG	1	1280x720	1-way	1/1	Yes	Yes	-	-	Yes	Supported by design
SN-IPV54/12DN	refer to SN-IPD54/12VDN	H.264 M-JPEG	1	1920x1080	1-way	1/1	Yes	Yes	-	-	Yes	Supported by design
SN-IPV54/12DR	refer to SN-IPD54/12VDN	H.264 M-JPEG	1	1920x1080	1-way	1/1	Yes	Yes	-	-	Yes	Supported by design
SN-IPV54/12UDN	refer to SN-IPD54/12VDN	H.264 M-JPEG	1	1920x1080	1-way	1/1	Yes	Yes	-	-	Yes	Supported by design
SN-IPV54/12UDR	refer to SN-IPD54/12VDN	H.264 M-JPEG	1	1920x1080	1-way	1/1	Yes	Yes	-	-	Yes	Supported by design
SN-IPV54/12ZDR	refer to SN-IPD54/12VDN	H.264 M-JPEG	1	1920x1080	1-way	1/1	Yes	Yes	-	-	Yes	Supported by design
SN-IPV54/14UDR	refer to IPD54/12VDN (v1.6_build044 014_106)	H.264 M-JPEG	1	1920x1080	1-way	1/1	Yes	Yes	-	-	Yes	Supported by design
SN-IPV54/14ZDR	refer to IPD54/12VDN (v1.6_build044 014_106)	H.264 M-JPEG	1	1920x1080	1-way	1/1	Yes	Yes	-	-	Yes	Supported by design
SN-IPV54/31UDN	v1.6_build044 014_137	H.264 M-JPEG	1	2048x1536	1-way	1/1	Yes	Yes	-	-	Yes	
Note: SN-IPV54/31UDN FW issue: Camera will reboot when MJPEG 2048x1536, 1920x1080 and quality 9.												
SN-IPV54/31UDR	refer to SN-IPV54/31UDR (v1.6_build044 014_137)	H.264 M-JPEG	1	2048x1536	1-way	1/1	Yes	Yes	-	-	Yes	Supported by design
SN-IPV54/31ZDR	refer to SN-IPV54/31UDR (v1.6_build044 014_137)	H.264 M-JPEG	1	2048x1536	1-way	1/1	Yes	Yes	-	-	Yes	Supported by design
SN-IPV54/40UDN	refer to SN-IPC54/40EDN (v1.6_build044 014_137)	H.264 M-JPEG	1	2592x1920	1-way	1/1	Yes	Yes	-	-	Yes	Supported by design





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 *2: not test on software

For multi stream support:
 Yes: multi stream fix to 500kbps/100kbps
 Yes*: multi stream setting support in Crystal

For PTZ:
 Yes*: Joystick support to control PTZ speed in Crystal

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Auto Pan	Multi Stream Support	Remarks
TV-IP262P	1.0.3	H.264 MJPEG	1	1280x1024	1-way	-	-	Yes	Yes	-	Yes	
Note:	1. Fps cannot be set to over 15 fps by cgi when it is 720P, but it can be set on web.(Camera Firmware Issue) 2. Sometimes setting by server is different with camera web. In fact, it sure has been set successfully.(Camera Firmware Issue)											
TV-IP262PI	refer to TV-IP262P(1.0.3)	H.264 MJPEG	1	1280x1024	1-way	-	-	Yes	Yes	-	Yes	Supported by design
TV-IP310PI	V5.0.1 140303	H.264	1	2048x1536	-	-	-	Yes	Yes	-	Yes	
Note:	1. Second stream is unable to change bitrate. (Camera firmware issue) 2. Frame rate list over the corret range when the resolution is 2048x1536. (Camera fimware issue) 3. Second stream is unable to achieve maximun FPS, when resolution of main stream is 2048x1536. (Camera performance limitation)											
TV-IP311PI	refer to TV-IP310PI(V5.0.1 140303)	H.264	1	2048x1536	-	-	-	Yes	Yes	-	Yes	Supported by design
TV-IP572P	refer to TV-IP672W(1.1.2)	H.264 MJPEG MPEG4	1	1280x800	1-way	-	Yes	Yes	Yes	-	Yes	Supported by design
TV-IP572PI	refer to TV-IP672W(1.1.2)	H.264 MJPEG MPEG4	1	1280x800	1-way	-	Yes	Yes	Yes	-	Yes	Supported by design
TV-IP572W	refer to TV-IP672W(1.1.2)	H.264 MJPEG MPEG4	1	1280x800	1-way	-	Yes	Yes	Yes	-	Yes	Supported by design
TV-IP572WI	refer to TV-IP672W(1.1.2)	H.264 MJPEG MPEG4	1	1280x800	1-way	-	Yes	Yes	Yes	-	Yes	Supported by design
TV-IP672P	refer to TV-IP672W(1.1.2)	H.264 MJPEG MPEG4	1	1280x800	1-way	-	Yes	Yes	Yes	-	Yes	Supported by design
TV-IP672PI	refer to TV-IP672W(1.1.2)	H.264 MJPEG MPEG4	1	1280x800	1-way	-	Yes	Yes	Yes	-	Yes	Supported by design
TV-IP672W	1.1.2	H.264 MJPEG MPEG4	1	1280x800	1-way	-	Yes	Yes	Yes	-	Yes	
Note:	1. Camera response slow due to digest authentication.(Camera Performace Issue) 2. Image setting for saturation will fail.(Camera Firmware Issue)											
TV-IP672WI	refer to TV-IP672W(1.1.2)	H.264 MJPEG MPEG4	1	1280x800	1-way	-	Yes	Yes	Yes	-	Yes	Supported by design



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For multi stream support:

Yes: multi stream fix to 500kbps/100kbps
 Yes*: multi stream setting support in Crystal

For PTZ:

Yes*: Joystick support to control PTZ speed in Crystal

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Multi Stream Support	Remarks
TCS-200	Enc: V1.104A-035	H.264	1	720x576	1-way	2/2	Yes	Yes	-	Yes	
TCS-2000	Enc: V1.103C-005	H.264 MJPEG	1	1920x1080	1-way	2/2	Yes	Yes	-	Yes	
TCS-300	Enc: V1.103C-005	H.264 MJPEG	1	720x576	1-way	2/2	Yes	Yes	-	Yes	
TCAM-3xx	Enc: V1.103C-005	H.264 MJPEG	1	720x576	1-way	0/0	Yes	Yes	-	Yes	
Note:	1. TCAM-330, TCAM-351 and TCAM-370 are compatible with TCAM-3xx 2. Do not support NTSC on TCAM-3xx.										
TCAM-530	Enc: V1.103C-005	H.264 MJPEG	1	1920x1280	1-way	1/1	-	Yes	-	Yes	
TCAM-531	Enc: V1.103C-005	H.264 MJPEG	1	1280x960	1-way	1/1	-	Yes	-	Yes	
Note:	TCAM-531, TCAM-531BIR and TCAM-551 are compatible with TCAM-531/531BIR/551										
TCAM-540	Enc: V1.103C-006	H.264 MJPEG	1	1920x1280	1-way	1/1	-	Yes	-	Yes	
Note:	Get severe broken image at the highest resolution 1920x1280, which will be improved in future new camera FW. (approx. three months later)										
TCAM-570	Enc: V1.103A-031	H.264 M-JPEG	1	1920x1080	1-way	2/2	Yes	Yes	-	Yes	
Note:	The resolution for dual stream is 352x240, however, the quality is bad on 352x240 by connecting through HTTP. Please switch to other protocols.										
Note:	All cameras: The video @ H.264 with TCP protocol is not smooth in the conditions of high resolution, fps and bitrate, which will be improved in future camera FW. (approx. three months later)										
TN-B200CE	Refer to TN-B202CEIR(V3.311R01)	H.264	1	1920x1080	1-way	1/1	Yes	Yes	Yes	Yes	
TN-B202CEIR	V3.311R01	H.264	1	1920x1080	1-way	1/1	Yes	Yes	Yes	Yes	
TN-D1202CE	Refer to TN-B202CEIR(V3.311R01)	H.264	1	1920x1080	1-way	1/1	Yes	Yes	Yes	Yes	
TN-P1220CS	Refer to TN-P1222CGPLX(V3.311R01)	H.264	1	1920x1080	1-way	-	Yes	Yes	Yes	Yes	
TN-P1222CGPLX	V3.311R01	H.264	1	1920x1080	1-way	-	Yes	Yes	Yes	Yes	
TN-P1230CS	Refer to TN-P1222CGPLX(V3.311R01)	H.264	1	1920x1080	1-way	-	Yes	Yes	Yes	Yes	
TN-P3220CS	Refer to TN-P1222CGPLX(V3.311R01)	H.264	1	1920x1080	1-way	-	Yes	Yes	Yes	Yes	



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For multi stream support:

Yes: multi stream fix to 500kbps/100kbps
Yes*: multi stream setting support in Crystal

For PTZ:

Yes*: Joystick support to control PTZ speed in Crystal

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Multi Stream Support	Remarks
TN-P3220CSIR	V3.311R01	H.264	1	1920x1080	1-way	4/2	Yes	Yes	Yes	Yes	
TN-P3220CTIR	Refer to TN-P3220CSIR(V3.311R01)	H.264	1	1920x1080	1-way	4/2	Yes	Yes	Yes	Yes	



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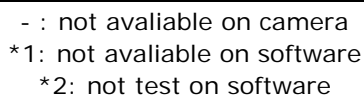
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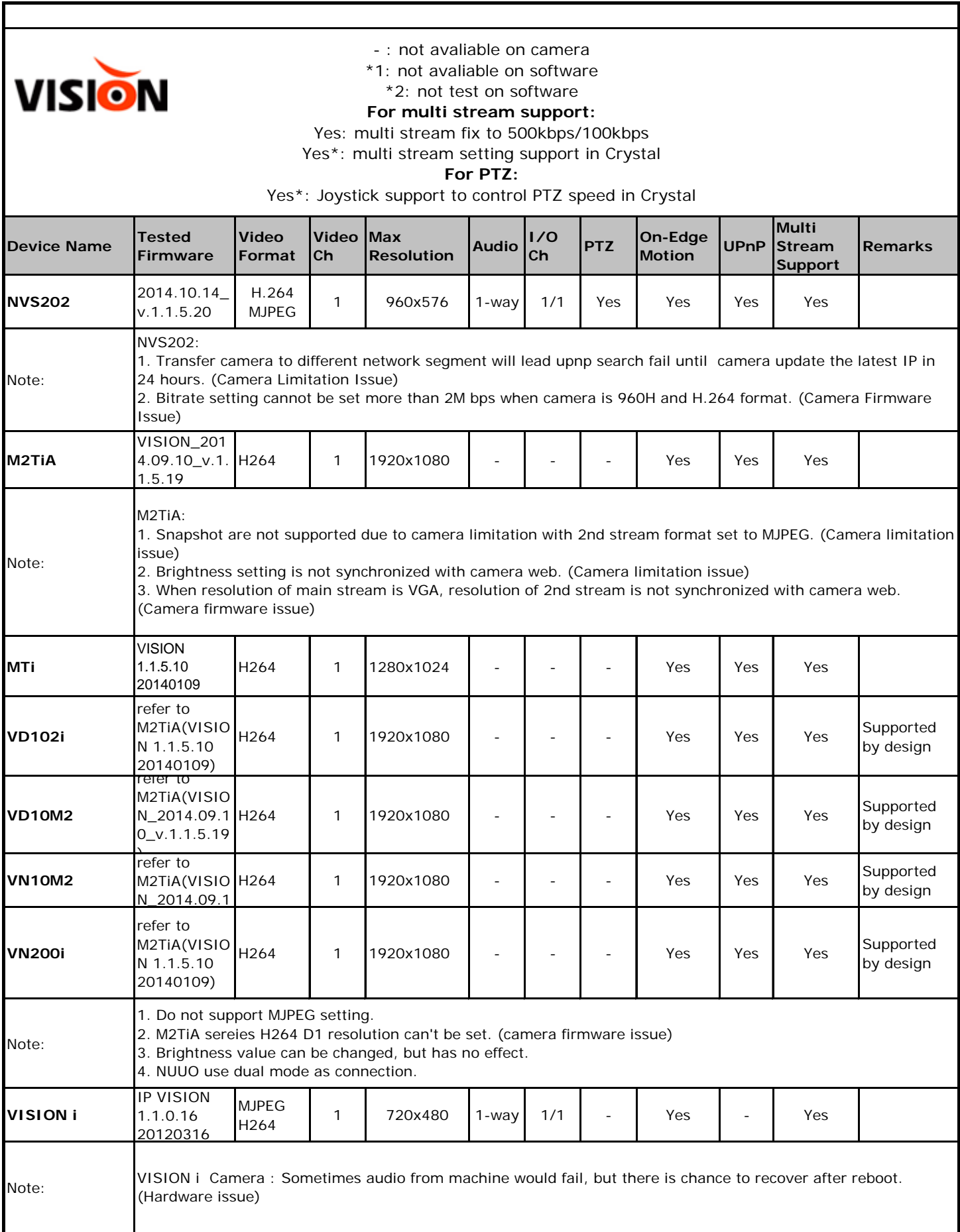
Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Multi Stream Support	Remarks
IPE1100		H.264 MPEG4 M-JPEG	1	720x582	1-way	1/1	-	Yes	Yes	Yes	Supported by design
IPE3100		H.264 MPEG4 M-JPEG	1	768x576	1-way	1/1	-	Yes	Yes	Yes	Supported by design
IPE3500		H.264 MPEG4 M-JPEG	1	1600x1200	1-way	1/1	-	Yes	Yes	Yes	Supported by design
IPE3500M	1.6.7	H.264 MPEG4 M-JPEG	1	1600x1200	1-way	1/1	-	Yes	Yes	Yes	
IPE4100	1.6.6	H.264 MPEG4 M-JPEG	1	720x576	1-way	4/2	Yes	Yes	Yes	Yes	
IPE5500		H.264 MPEG4 M-JPEG	1	752x582	1-way	1/1	-	Yes	Yes	Yes	Supported by design
IPE6500		H.264 MPEG4 M-JPEG	1	752x582	1-way	1/1	-	Yes	Yes	Yes	Supported by design
IPE7500		H.264 MPEG4 M-JPEG	1	752x582	1-way	1/1	-	Yes	Yes	Yes	Supported by design
IPN100HD	1.4.0.11	H.264 M-JPEG	1	1280x720	1-way	1/1	-	Yes	Yes	Yes	
IPN1202HD	Refer to IPN3502HD (1.4.0.11)	H.264 M-JPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	Yes	
IPN2102HD	Refer to IPN3502HD (1.4.0.11)	H.264 M-JPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	Yes	
IPN302HD	Refer to IPN3502HD (1.4.0.11)	H.264 M-JPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	Yes	
IPN3102HD	Refer to IPN3502HD (1.4.0.11)	H.264 M-JPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	Yes	
IPN3202HD	Refer to IPN3502HD (1.4.0.11)	H.264 M-JPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	Yes	
IPN3502HD	1.4.0.11	H.264 M-JPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	Yes	
IPN3502HD IR	Refer to IPN3502HD (1.4.0.11)	H.264 M-JPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	Yes	
IPN6602HD	Refer to IPN3502HD (1.4.0.11)	H.264 M-JPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	Yes	
IPN6802HD	Refer to IPN3502HD (1.4.0.11)	H.264 M-JPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	Yes	
IPX3302HD	Refer to IPN3502HD (1.4.0.11)	H.264 M-JPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	Yes	
IPX3702HD	Refer to IPN3502HD (1.4.0.11)	H.264 M-JPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	Yes	
IPX4202HD	1.4.1.8	H.264 M-JPEG	1	1920x1080	1-way	1/1	Yes	Yes	Yes	Yes	



Yes: multi stream fix to 500kbps/100kbps
Yes*: multi stream setting support in Crystal

Yes*: Joystick support to control PTZ speed in Crystal

[illegible]





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For multi stream support:

Yes: multi stream fix to 500kbps/100kbps
 Yes*: multi stream setting support in Crystal

For PTZ:

Yes*: Joystick support to control PTZ speed in Crystal

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Multi Stream Support	Remarks
VN6XSM2Ti-IR	refre to VN7XSM2Ti-IR(VISION_2014.09.10_v.1.1.5.19)	H.264	1	1920x1080	1-way	-	-	Yes	Yes	Yes	Supported by design
VN7XSM2Ti-IR	VISION_2014.09.10_v.1.1.5.19	H.264	1	1920x1080	1-way	-	-	Yes	Yes	Yes	
Vision Mi	1.1.2.46	MJPEG H264	1	1280x720	1-way	1/1	-	Yes	-	Yes	
Note:	1. Does not support Quality with MJPEG. (camera firmware issue) 2. When setup maximum setting of camera parameters, the real FPS could not reach original value on Web, such as 15 fps of H.264 within 1920x1080, 30 fps, and 7 quality; 5~6 fps of MJPEG within 1280x720, 30fps 3. Does not support audio setup										
VISION M3i	1.1.2.46	MJPEG H264	1	1920x1080	-	1/0	Yes	Yes	-	Yes	
Note:	1. Some M3i sub modeltype like VN7XSM3i has support PTZ. But VDA110SM3i not. 2. Does not support Quality with MJPEG. (camera firmware issue) 3. When setup maximum setting of camera parameters, the real FPS could not reach original value on Web, such as 15 fps of H.264 within 1920x1080, 30 fps, and 7 quality; 5~6 fps of MJPEG within 1280x720, 30fps										
VISION NVS102	IP VISION 1.1.0.16 20120316	MJPEG H264	1	720x480	1-way	1/1	Yes	Yes	-	Yes	
Note:	VISION NVS102: Support both of NTSC/PAL, but can be switched only on camera web. Need to reboot camera after switched NTSC/PAL, then MainConsole will detect correct responding resolution. PTZ speed : pan setting = tilt setting. Change one of pan or tilt, and then the other will change, too.										
VISION M3Ti	1.1.5.13 20140227	H264	1	QXGA	1-way	1/1	Yes	Yes	Yes	Yes	
Note:	1. It can not use Autofocus function. (camera firmware issue) 2. It will not support audio setup. (camera firmware issue)										
VISION VDA101SM2Ti	refre to VN7XSM2Ti-IR(VISION_2	H.264	1	1920x1080	1-way	-	-	Yes	Yes	Yes	Supported by design
VPD202BM2Ti-IR	1.1.5.20 20141113	H.264 MJPEG	1	1920x1080	1-way	4/2	Yes	Yes	Yes	Yes*	
Note:	VPD202BM2Ti-IR: 1. In triple mode, bitrate of 2nd stream cannot reach to 500kbps. (Camera limitation issue) 2. Snapshot only support when 2nd stream format is MJPEG. (Camera limitation issue)										
VISION VPD101PM2Ti	refre to VN7XSM2Ti-IR(VISION_2014.09.10_v.1.1.5.19)	H.264	1	1920x1080	1-way	-	-	Yes	Yes	Yes	Supported by design



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For multi stream support:

Yes: multi stream fix to 500kbps/100kbps
 Yes*: multi stream setting support in Crystal

For PTZ:

Yes*: Joystick support to control PTZ speed in Crystal

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Multi Stream Support	Remarks
VK2-1080BIR35V16e	refer to VK2-1080VRDIR3 5V16e(1.1.8)	H.264 MPEG4	1	1920x1080	-	-	-	Yes	Yes	Yes	Supported by design
VK2-1080BIR37e	refer to VK2-1080VRDIR3 5V16e(1.1.8)	H.264 MPEG4	1	1920x1080	-	-	-	Yes	Yes	Yes	Supported by design
VK2-1080BIR3V9F	2.0.3-T4_Release	H.264 MPEG4	1	1920x1080	-	-	-	Yes	Yes	Yes	
Note:	1. Cannot setup the resolution to 1280x1024 and 1280x720 of Stream2 when the resolution of Stream 1 is 1920x1080. (Camera firmware issue) 2. Cannot setup the resolution to 1920x1080 and 1280x720 of Stream2 when the resolution of Stream 1 is 1280x1024. (Camera firmware issue) 3. Cannot setup the resolution to 1920x1080 and 1280x1024 of Stream2 when the resolution of Stream 1 is 1280x720. (Camera firmware issue) 4. Cannot setup the resolution to "Same as Stream 1" when the resolution of Stream 1 is equal to Stream 2. (Camera firmware issue) 5. Camera is unable to achieve maximum 25 FPS. (Camera firmware issue)										
VK2-1080VFD3V9F	2.2.4-T3_Release	H.264 MPEG4	1	1920x1080	-	1/0	Yes	Yes	Yes	Yes	
Note:	1.VK21080VFD3V9F PTZ only support zoom & focus										
VK2-1080VFDIR37e	refer to VK2-1080VRDIR3 5V16e(1.1.8)	H.264 MPEG4	1	1920x1080	-	-	-	Yes	Yes	Yes	Supported by design
VK2-1080VRD	2.2.64	H.264 M-JPEG	1	1920x1080	1-way	2/0	-	Yes	Yes	Yes	
VK2-1080VRD3V9	1.8.8-T4_Release	H.264 MPEG4	1	1920x1080	1-way	1/0	-	Yes	Yes	Yes	
VK2-1080VRDIR3V9F	1.7.0-T4_release	H.264 MPEG4	1	1920x1080	1-way	1/0	Yes	Yes	Yes	Yes	
VK2-1080VRDIR35V16e	1.1.8-T8_Release	H.264 MPEG4	1	1920x1080	-	-	-	Yes	Yes	Yes	
VK2-1080VRDIR37e	refer to VK2-1080VRDIR3 5V16e(1.1.8)	H.264 MPEG4	1	1920x1080	-	-	-	Yes	Yes	Yes	Supported by design
VK2-1080XVRDP TZ	1.2.1-X1_release	H.264	1	1920x1080	1-way	1/0	Yes	Yes	Yes	Yes	
VK2-2MPVRD	2.2.64	H.264 M-JPEG	1	1600x1200	1-way	2/0	-	Yes	Yes	Yes	
Note:	VK2-1080VRD/VK2-2MPVRD: on-edge motion of video with M-JPEG codec works only as stream 1 is enabled on camera web.										
Note:	VK2-1080VRD/VK2-2MPVRD: camera may be disconnected if users configure format as H.264 on one NVR and configure format M-JPEG on another.										
VK2-540VRD	2.1.8-release	H.264 MPEG4	1	704x576	1-way	1/0	-	Yes	Yes	Yes	



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For multi stream support:

Yes: multi stream fix to 500kbps/100kbps
Yes*: multi stream setting support in Crystal

For PTZ:

Yes*: Joystick support to control PTZ speed in Crystal

[illegible]



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For multi stream support:

Yes: multi stream fix to 500kbps/100kbps
 Yes*: multi stream setting support in Crystal

For PTZ:

Yes*: Joystick support to control PTZ speed in Crystal

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Multi Stream Support	Remarks
FD8134	0100e	H.264 MPEG4 M-JPEG	1	1280x800	-	1/0	-	Yes	Yes	Yes*	
Note:	FD8134-SS and FD8134V are compatible with FD8134										
FD8135H	0202C	M-JPEG H.264	1	1280x800	1-way	3/1	-	Yes	Yes	Yes*	
Note:	FW will casue I/O status incorrect and wrong resolution list										
FD8136	0100f	MPEG4 M-JPEG H.264	1	1280x800	1-way	1/0	Yes*	Yes	Yes	Yes*	Tested by link
FD8137H	0101a	H.264 M-JPEG	1	1280x800	1-way	1/0(*2)	-	Yes	*2	Yes*	
FD8137HV	Refer to FD8137H(0101a)	H.264 M-JPEG	1	1280x800	1-way	1/0(*2)	-	Yes	*2	Yes*	Supported by design
FD8138-H	Refer to IB8338-H(0100e)	H.264 M-JPEG	1	1280x800	1-way	1/1	-	Yes	Yes	Yes*	Supported by design
FD8151V	0100c	H.264 M-JPEG	1	1280x1024	1-way	*2	-	Yes	*2	Yes*	Tested by link
FD8154	0100d	H.264 MJPEG	1	1280x1024	1-way	1/0	-	Yes	Yes	Yes*	
FD8155H	Refer to IP816A-HP(0100f)	H.264 M-JPEG	1	1920x1080	1-way	3/1	Yes*	Yes	Yes	Yes*	Supported by design
FD8161	0100h	MPEG4 M-JPEG H.264	1	1600x1200	1-way	1/1	-	Yes	Yes	Yes*	
FD8162	Refer to FD8362	H.264 MPEG4 M-JPEG	1	1920x1080	1-way	1/1	Yes*	Yes	Yes	Yes*	Supported by design
FD8163	0101b	H.264 MPEG4 M-JPEG	1	1920x1080	1-way	*2	-	Yes	*2	Yes*	Tested by link
FD8164	0100d	H.264 M-JPEG	1	1920x1080	1-way	1/0	-	*2	*2	Yes*	Tested by link
FD8165H	Refer to IP816A-HP(0100f)	H.264 M-JPEG	1	1920x1080	1-way	3/1	Yes*	Yes	Yes	Yes*	Supported by design
FD8166	0100g	H.264 M-JPEG	1	1920x1080	1-way	*2	-	Yes	*2	Yes*	
FD8168	0100e	H.264 MJPEG	1	1920x1080	1-way	-	-	Yes	*2	Yes*	
FD8167	0103a	H.264 MJPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	Yes*	
Note:	1. Camera is unable to achieve highest framerate. (Camera performance issue)										
FD8169	0100f	H.264 M-JPEG	1	1920x1080	-	-	-	Yes	*2	Yes*	
Note:	Video parameter's range is displayed incorrectly. (Camera firmware issue)										
FD816B-HF2	0101b	H.264 M-JPEG	1	1920x1080	2-way	1/1	-	Yes	Yes	Yes*	



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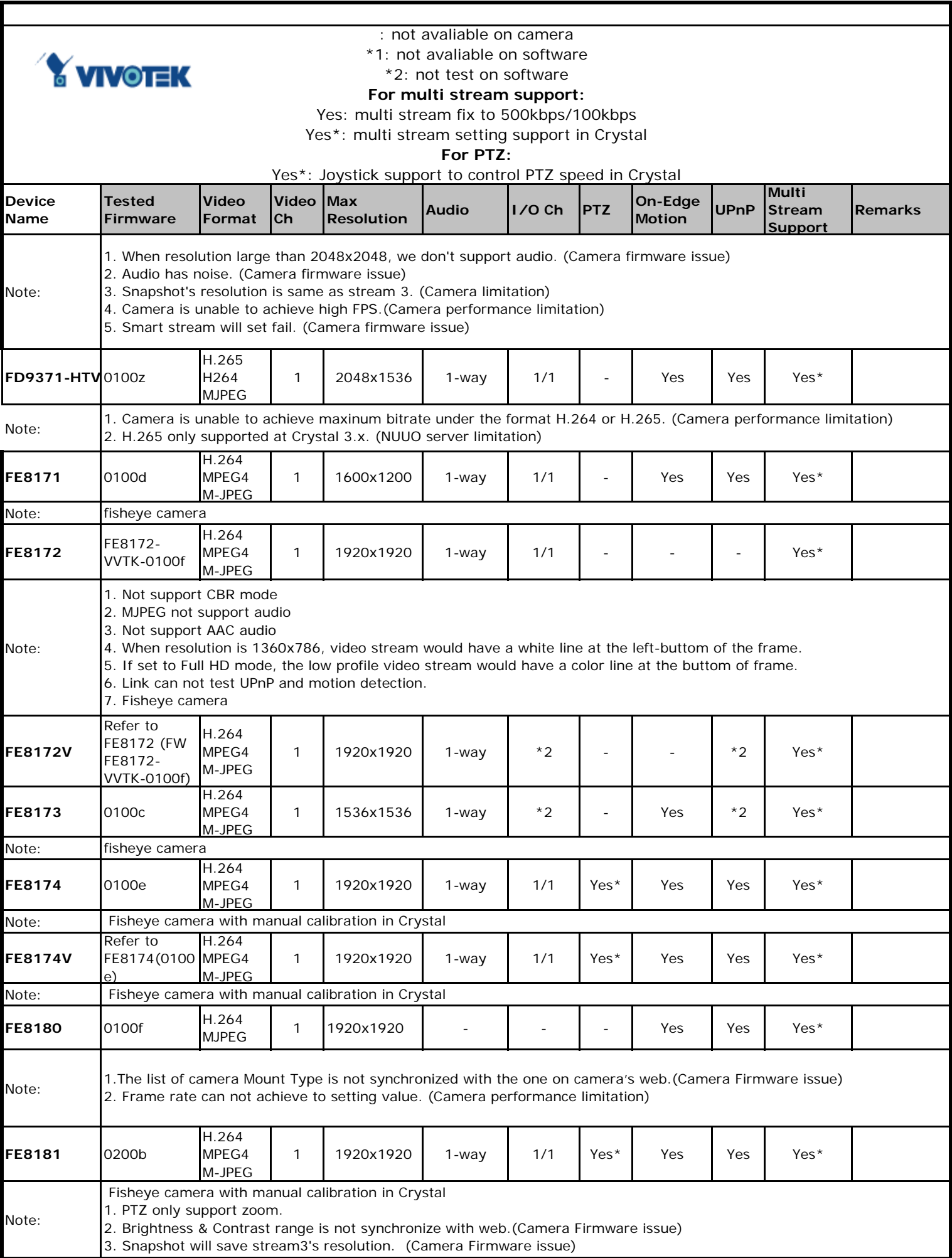
For multi stream support:

Yes: multi stream fix to 500kbps/100kbps
 Yes*: multi stream setting support in Crystal

For PTZ:

Yes*: Joystick support to control PTZ speed in Crystal

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Multi Stream Support	Remarks
Note:	1.Audio with format MJPEG does not supported. (Camera firmware issue) 2.Camera with higher resolution like 1920x1080 or 1080x720 is unable to achieve expected fps value. (Camera performance limitation) 3.The camera with format H.264 is unable to achieve expected bitrate vlaue.(Camera performance limitation)										
FD8171	0100e	H.264 MPEG4 M-JPEG	1	2048x1536	1-way	*2	-	Yes	*2	Yes*	
FD8181	Refer to FD8381- EV(0101c)	H.264 MJPEG	1	2560x1920	1-way	1/1	-	Yes	Yes	Yes*	Supported by design
FD8335H	0101a	H.264 MPEG4 M-JPEG	1	1200x800	1-way	3/1	-	Yes	Yes	Yes*	Tested by link
FD8335H	0100g	H.264 M-JPEG	1	1280x1024	1-way	*2	-	Yes	*2	Yes*	Tested by link
FD8338-HV	Refer to IB8338- H(0100e)	H.264 M-JPEG	1	1280x800	1-way	1/1	-	Yes	Yes	Yes*	Supported by design
FD8355EHV	Refer to IP816A- HP(0100f)	H.264 M-JPEG	1	1920x1080	1-way	3/1	Yes*	Yes	Yes	Yes*	Supported by design
FD8361	0100d1	H.264 MPEG5 M-JPEG	1	1600x1200	1-way	1/1	-	Yes	Yes	Yes*	
FD8365EHV	Refer to IP816A- HP(0100f)	H.264 M-JPEG	1	1920x1080	1-way	3/1	Yes*	Yes	Yes	Yes*	Supported by design
Note:	FD8361 can't set other resolution on stream 3. (camera FW 0202b fixed.)										
Note:	FD8361L are campatible with FD8361										
FD8362	0100f	H.264 MPEG4 M-JPEG	1	1920x1080	1-way	1/1	Yes*	Yes	Yes	Yes*	
FD8362E	Refer to FD8362	H.264 MPEG4 M-JPEG	1	1920x1080	1-way	1/1	Yes*	Yes	Yes	Yes*	Supported by design
FD8363	0102a	H.264 MPEG4 M-JPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	Yes*	
FD8365EHV	0100e	M-JPEG H.264	1	1920x1080	1-way	*2	-	Yes	*2	Yes*	Tested by link
FD8367-V	0101b	M-JPEG H.264	1	1920x1080	1-way	1/1	-	Yes	Yes	Yes*	
FD8367-TV	0101b	M-JPEG H.264	1	1920x1080	1-way	1/1	-	Yes	Yes	Yes*	
FD8371EV	0100i	H.264 MPEG4 M-JPEG	1	2048x1536	1-way	1/1	-	Yes	Yes	Yes*	
FD8372	0100f	H.264 MPEG4 M-JPEG	1	2580x1920	1-way	3/1	-	Yes	Yes	Yes*	Tested by link
Note:	Mpeg4 support first 2 maxmium resolutions are 1920x1920 & 1920x1536										
FD8381-EV	0101c	H.264 MJPEG	1	2560x1920	1-way	1/1	-	Yes	Yes	Yes*	





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For multi stream support:

Yes: multi stream fix to 500kbps/100kbps
 Yes*: multi stream setting support in Crystal

For PTZ:

Yes*: Joystick support to control PTZ speed in Crystal

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Multi Stream Support	Remarks
FE8391-V	0100f	H.264 MJPEG	1	2944x2944	1-way	1/1	-	Yes	Yes	Yes*	
Note:	1. Camera is unable to achieve maximum FPS and Bit rate.(Camera performance limitation) 2. Talk has noise.(Camera performance limitation) 3.The list of camera bit rate control is not synchronized with the one on camera's web.(Camera Firmware issue)										
Generic	0101b	H.264 MPEG4 M-JPEG	1	All	1-way	8/8	Yes*	Yes	Yes	Yes*	
IB8338-H	0100e	H.264 M-JPEG	1	1280x800	1-way	1/1	-	Yes	Yes	Yes*	
Note:	1. Audio has noise. (Camera firmware issue) 2. Snapshot's resolution is same as stream 3. (Camera limitation) 3. Smart stream will set fail. (Camera firmware issue)										
IB8367-RT	0100f	H.264 MJPEG	1	1920x1080	*2	*2	-	*2	*2	Yes*	
IB8369	0100f	H.264 M-JPEG	1	1920x1080	-	-	-	Yes	*2	Yes*	
Note:	Video parameter's range is displayed incorrectly. (Camera firmware issue)										
IB8381	Refer to FD8381-EV(0101c)	H.264 MJPEG	1	2560x1920	1-way	1/1	-	Yes	Yes	Yes*	Supported by design
IP21x1		M-JPEG	1	720x576	-	1/1	-	Yes	Yes	-	Supported by design
IP21x2		M-JPEG	1	720x576	1-way	1/1	-	Yes	Yes	-	Supported by design
IP51x2		MPEG4	1	720x576	1-way	1/1	-	Yes	Yes	-	Supported by design
IP51x4		MPEG4	1	720x576	1-way	1/1	-	Yes	Yes	-	Supported by design
IP6114		MPEG4 M-JPEG	1	720x576	1-way	1/1	-	Yes	Yes	-	Supported by design
IP6124		MPEG4 M-JPEG	1	720x576	1-way	1/1	-	Yes	Yes	-	Supported by design
IP61x2		MPEG4 M-JPEG	1	720x576	1-way	1/1	-	Yes	Yes	-	Supported by design
IP61x4		MPEG4 M-JPEG	1	720x576	1-way	1/1	-	Yes	Yes	-	Supported by design
IP61X7		MPEG4 M-JPEG	1	720x576	1-way	1/1	-	Yes	Yes	-	Supported by design
IP7130	0100c	MPEG4 M-JPEG	1	640x480	1-way	1/1	-	Yes	Yes	Yes	
IP7131		MPEG4	1	704x576	1-way	1/1	-	Yes	Yes	-	Supported by design



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For multi stream support:

Yes: multi stream fix to 500kbps/100kbps
 Yes*: multi stream setting support in Crystal

For PTZ:

Yes*: Joystick support to control PTZ speed in Crystal

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Multi Stream Support	Remarks
IP7132		MPEG4	1	704x576	1-way	1/1	-	Yes	Yes	-	Supported by design
IP7133	0100b	MPEG4 M-JPEG	1	640x480	1-way	1/1	-	Yes	Yes	Yes	
IP7134	0100b	MPEG4 M-JPEG	1	640x480	1-way	1/1	-	Yes	Yes	Yes	
IP7135		MPEG4	1	704x576	1-way	-	-	Yes	Yes	-	Supported by design
IP7137		MPEG4	1	704x576	1-way	-	-	Yes	Yes	-	Supported by design
IP7138	0101h	MPEG4 M-JPEG	1	1280x1024	1-way	1/1	-	Yes	Yes	Yes	
IP7139		MPEG4 M-JPEG	1	1280x1024	1-way	1/1	-	Yes	Yes	Yes	Supported by design
IP7142		MPEG4 M-JPEG	1	704x576	1-way	1/1	-	Yes	Yes	Yes	Supported by design
IP7151		MPEG4 M-JPEG	1	704x576	1-way	1/1	-	Yes	Yes	Yes	Supported by design
IP7152		MPEG4 M-JPEG	1	704x576	1-way	1/1	-	Yes	Yes	Yes	Supported by design
IP7153		MPEG4 M-JPEG	1	640x480	1-way	1/1	-	Yes	Yes	Yes	Supported by design
IP7154	0100b	MPEG4 M-JPEG	1	640x480	1-way	1/1	Yes*	Yes	Yes	Yes	
IP7160	0101b	MPEG4 M-JPEG	1	1600x1200	1-way	1/1	-	Yes	Yes	Yes	
Note:	IP7160-SS is compatible with IP7160										
IP7161		MPEG4 M-JPEG	1	1600x1200	1-way	1/1	-	Yes	Yes	Yes	Supported by design
Note:	IP7161-SS is compatible with IP7161										
IP71x7		MPEG4	1	704x576	1-way	1/1	-	Yes	Yes	-	Supported by design
IP7251	0100f	MPEG4	1	640x480	1-way	1/1	Yes*	Yes	Yes	Yes	
Note:	MPEG4: Unable to connect through HTTP.										
IP7330		MPEG4 M-JPEG	1	640x480	-	1/0	-	Yes	Yes	Yes	Supported by design
IP7361		MPEG4 M-JPEG	1	1600x1200	1-way	1/1	-	Yes	Yes	Yes	Supported by design
IP8130	0100e	H.264 M-JPEG	1	1280x800	1-way	*2	-	Yes	*2	Yes*	



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 Yes*: multi stream setting support in Crystal

For PTZ:

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Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Multi Stream Support	Remarks
IP8130W	Refer to IP8130(0100e)	H.264 M-JPEG	1	1280x800	1-way	*2	-	Yes	*2	Yes*	Supported by design
IP8131	Refer to IP8131W(0100e)	H.264 M-JPEG	1	1280x800	1-way	*2	-	Yes	*2	Yes*	Supported by design
IP8131W	0100e	H.264 M-JPEG	1	1280x800	1-way	*2	-	Yes	*2	Yes*	
IP8132		H.264 MPEG4 M-JPEG	1	1280x800	1-way	1/0	-	Yes	Yes	Yes*	Supported by design
IP8133W	0100c	H.264 MPEG4 M-JPEG	1	1280x1024	1-way	1/1	-	Yes	Yes	Yes*	Supported by design
Note:	Due to the parameter limitation of stream 1, we take stream 2 as main stream for recording and liveview.										
IP8151	0200a	H.264 MPEG4 M-JPEG	1	1280x1024	1-way	1/1	Yes*	Yes	Yes	Yes*	*
Note:	1. IP8151-SS and IP8151P are compatible with IP8151 2. This camera FW is under testing by manufacturer, so there are two issues existed which should be fixed in the official release: video stream of M-JPEG is not continuous; there is an image problem on resolution 176x144 @H.264.										
IP8152	0100e	H.264 M-JPEG	1	1280x1024	1-way	1/0	Yes*	Yes	Yes	Yes*	
Note:	IP8152: CGI return a wrong PTZ capability										
IP8155HP	Refer to IP816A-HP(0100f)	H.264 M-JPEG	1	1920x1080	1-way	3/1	Yes*	Yes	Yes	Yes*	Supported by design
IP8155HP	0100d	H.264 M-JPEG	1	1280x1024	1-way	3/1	-	Yes	Yes	Yes*	
IP8161	0100k	H.264 MPEG4 M-JPEG	1	1600x1200	1-way	1/1	Yes*	Yes	Yes	Yes*	
Note:	IP8161-SS is compatible with IP8161										
IP816A-HP	0100f	H.264 M-JPEG	1	1920x1080	1-way	3/1	Yes*	Yes	Yes	Yes*	
Note:	1. Audio has noise. (Camera firmware issue) 2. Snapshot's resolution is same as stream 3. (Camera limitation) 3. Camera is unable to achieve high FPS. (Camera performance limitation) 4. Can't use Home. (Camera firmware issue) 5. PTZ speed range will not sync. with web. (Camera firmware issue)										
IP8162	0100f	H.264 MPEG4 M-JPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	Yes*	
Note:	1. IP8162P and IP8162-SS are compatible with IP8162 2. The frame rate of main stream decrease to the half if watching dual stream video, which is the limitation of camera HW.										
IP8165HP	Refer to IP816A-HP(0100f)	H.264 M-JPEG	1	1920x1080	1-way	3/1	Yes*	Yes	Yes	Yes*	Supported by design
IP8165HP	0100d	H.264 M-JPEG	1	1920x1080	1-way	3/1	-	Yes	Yes	Yes*	



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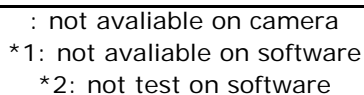
For multi stream support:

Yes: multi stream fix to 500kbps/100kbps
 Yes*: multi stream setting support in Crystal

For PTZ:

Yes*: Joystick support to control PTZ speed in Crystal

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Multi Stream Support	Remarks
IP8172	0100a0	MPEG4 M-JPEG H.264	1	2560x1920	1-way	1/1	-	Yes	Yes	Yes*	
Note: Not support CBR mode in MainConsole, MJPEG not support audio, Not support AAC audio											
IP8173H	0100i	MPEG4 M-JPEG H.264	1	2048x1536	1-way(*2)	1/0(*2)	*2	Yes	*2	Yes*	
IP8330	0100e	H.264 MPEG4 M-JPEG	1	640x480	-	1/0	-	Yes	Yes	Yes*	
IP8331	0100c	H.264 MPEG4 M-JPEG	1	640x480	-	1/0	-	Yes	Yes	Yes*	
IP8332		H.264 MPEG4 M-JPEG	1	1280x800	-	1/0	-	Yes	Yes	Yes*	Supported by design
Note: IP8332-SS is compatible with IP8332											
IP8335H	0100h	MPEG4 M-JPEG H.264	1	1280x800	1-way	3/1	-	Yes	Yes	Yes*	
Note: IP8335H: Audio, I/O, Upnp ,PTZ can't testing by link Use Vivotek 2nd stream with MPEG4 format as NUUO main stream and Vivotek 1st stream as NUUO 2nd stream											
IP8336W	0102b	H.264 MPEG4 M-JPEG	1	1280x800	1-way	1/0(*2)	-	Yes	*2	Yes*	
IP8337H-C	0100b	H.264 M-JPEG	1	1280x800	-	1/0(*2)	-	Yes	*2	Yes*	
IP8352	0100g	H.264 MPEG4 M-JPEG	1	1280x1024	1-way	1/1	-	Yes	Yes	Yes*	Supported by design
Note: I/O status is abnormal, which input and output cannot be triggered at the same time. Vivotek will fix the bug in next release, please upgrade to new camera FW then.											
IP8355EH	Refer to IP816A-HP(0100f)	H.264 M-JPEG	1	1920x1080	1-way	3/1	Yes*	Yes	Yes	Yes*	Supported by design
IP8355EH	0100e	H.264 MJPEG	1	1280x1024	1-way	*2	-	Yes	*2	Yes*	
IP8361	0100c	H.264 MPEG4 M-JPEG	1	1600x1200	1-way	1/1	-	Yes	Yes	Yes*	Tested by link
IP8362	0100d	H.264 MPEG4 M-JPEG	1	1920x1080	1-way	1/0	-	Yes	Yes	Yes*	Supported by design
IP8364	0101a	H.264 M-JPEG	1	1920x1080	-	1/0(*2)	-	Yes	*2	Yes*	
IP8365EH	Refer to IP816A-HP(0100f)	H.264 M-JPEG	1	1920x1080	1-way	3/1	Yes*	Yes	Yes	Yes*	Supported by design
IP8365EH	0100e	H.264 MJPEG	1	1920x1080	1-way	*2	-	Yes	*2	Yes*	
IP8371E	0100g	MPEG4 M-JPEG H.264	1	2048x1536	1-way(*2)	1/1(*2)	-	*2	*2	Yes*	
IP8372	0100e	MPEG4 M-JPEG H.264	1	2560x1920	1-way	*2	-	Yes	*2	Yes*	Tested by link



Yes: multi stream fix to 500kbps/100kbps
Yes*: multi stream setting support in Crystal

Yes*: Joystick support to control PTZ speed in Crystal

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Multi Stream Support	Remarks
IZ7151		MPEG4 M-JPEG	1	704x576	1-way	1/1	Yes*	Yes	Yes	Yes	Supported by design
Note:	PTZ Support: zoom only.										
MD7530	0100d	MPEG4 M-JPEG	1	640x480	1-way	1/0	-	Yes	Yes	Yes	
MD7560	0100c	H.264 MPEG4 M-JPEG	1	1600x1200	1-way	1/0	-	Yes	Yes	Yes	
MD7560X	Refer to MD7560	H.264 MPEG4 M-JPEG	1	1600x1200	1-way	1/0	-	Yes	Yes	Yes	Supported by design
MD8531H	0100h	MPEG4 M-JPEG H.264	1	1280x960	1-way	*2	-	Yes	*2	Yes*	
Note:	Video parameter setting is incorrect displayed.										
MD8562	0100c	H.264 MPEG4 M-JPEG	1	1920x1080	1-way	1/0	-	Yes	Yes	Yes*	
Note:	The frame rate of main stream decrease to the half if watching dual stream video, which is the limitation of camera HW.										
MS8391-EV	0100e	H.264 MJPEG	1	7552x1416	*2	*2	-	*2	*2	Yes*	
Note:	1. Framerate lists can not synchronize with web in resolution 768x144 & 7552x1416. (Camera Firmware Issue) 2. Brightness & Contrast range can not synchronize with web. (Camera Firmware Issue) 3. Camera is unable to achieve maximum FPS in maximum parameter. (Camera performance limitation)										
PD8136	0100e	H.264 MPEG4 M-JPEG	1	1280x800	1-way	0/0	Yes*	Yes	*2	Yes*	
Note:	PD8136: No support zoom.										
PT7000		MPEG4	1	720x576	1-way	-	Yes*	Yes	Yes	-	Supported by design
PT7135		MPEG4	1	720x576	1-way	-	Yes*	Yes	Yes	-	Supported by design
PT7137		MPEG4	1	704x576	1-way	-	Yes*	Yes	Yes	-	Supported by design
PT8133	0100e	MPEG4 M-JPEG H.264	1	1280x800	1-way	-	Yes*	Yes	Yes	Yes	
PZ61x2		MPEG4 M-JPEG	1	704x576	1-way	1/1	Yes*	Yes	Yes	-	Supported by design
PZ61x4		MPEG4 M-JPEG	1	704x576	1-way	1/1	Yes*	Yes	Yes	-	Supported by design
PZ7131	0100b	MPEG4 M-JPEG	1	640x480	1-way	1/1	Yes*	Yes	Yes	Yes	
PZ7132		MPEG4 M-JPEG	1	640x480	1-way	1/1	Yes*	Yes	Yes	Yes	Supported by design
PZ7151	0101b	MPEG4 M-JPEG	1	704x576	1-way	1/1	Yes*	Yes	Yes	Yes	
Note:	MPEG4: Unable to connect through HTTP.										



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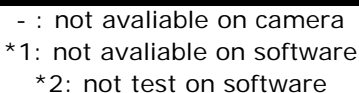
For multi stream support:

Yes: multi stream fix to 500kbps/100kbps
 Yes*: multi stream setting support in Crystal

For PTZ:

Yes*: Joystick support to control PTZ speed in Crystal

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Multi Stream Support	Remarks
PZ7152		MPEG4 M-JPEG	1	704x576	1-way	1/1	Yes*	Yes	Yes	Yes	Supported by design
PZ71X1		MPEG4 M-JPEG	1	704x576	1-way	1/1	Yes*	Yes	Yes	Yes	Supported by design
PZ71X2		MPEG4 M-JPEG	1	704x576	1-way	1/1	Yes*	Yes	Yes	Yes	Supported by design
PZ81x1	0100e	H.264 MPEG4 M-JPEG	1	720x480	1-way	3/2	Yes*	Yes	Yes	Yes*	
Note:	PZ-81x1W is compatible with PZ81x1										
SD61x2		MPEG4 M-JPEG	1	720x576	1-way	4/1	Yes*	Yes	Yes	-	Supported by design
SD7151	0101d	MPEG4 M-JPEG	1	720x576	1-way	4/1	Yes*	Yes	Yes	Yes	
Note:	No audio support in M-JPEG format. MPEG4: Unable to connect through HTTP.										
SD73X3		MPEG4 M-JPEG	1	704x576	1-way	4/1	Yes*	Yes	Yes	Yes	Supported by design
SD81X1	0100e	MPEG4 M-JPEG	1	704x576	1-way	4/1	Yes*	Yes	Yes	Yes*	
Note:	1. SD8121-SS is compatible with SD81X1 2. SD81X1 : Audio, I/O, Upnp can't testing by link										
SD8362E	0104a	H.264 MPEG4 M-JPEG	1	1920x1080	1-way	3/2	Yes*	Yes	Yes	Yes*	
Note:	1. SD8362E-SS is compatible with SD8362E 2. SD8362E : Audio, I/O, Upnp can't testing by link 3. Work with SF8172 as PPTZ model										
SD8363E	0202b	H.264 MPEG4 M-JPEG	1	1920x1080	1-way	*2	Yes*	Yes	*2	Yes*	
Note:	1.Work with SF8172 as PPTZ model 2.Video parameter setting is incorrect displayed.										
SD83x1	Refer to SD83x3	H.264 MPEG4 M-JPEG	1	720x480	1-way	3/2	Yes*	Yes	Yes	Yes*	Supported by design
Note:	SD83x1 and SD83x2 are detected as SD83x3.										
SD83x2	Refer to SD83x3	H.264 MPEG4 M-JPEG	1	720x480	1-way	3/2	Yes*	Yes	Yes	Yes*	Supported by design
Note:	SD83x1 and SD83x2 are detected as SD83x3.										
SD83x3	0102d	H.264 MPEG4 M-JPEG	1	720x480	1-way	3/2	Yes*	Yes	Yes	Yes*	
Note:	SD83x3-SS is compatible with SD83x3										
SD83x4	0200c	H.264 MPEG4 M-JPEG	1	720x480	1-way	4/2	Yes*	Yes	Yes	Yes*	Supported by design
SD83x6	0200c	H.264 MPEG4 M-JPEG	1	720x480	1-way	4/2	Yes*	Yes	Yes	Yes*	



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Yes*: multi stream setting support in Crystal

Yes*: Joystick support to control PTZ speed in Crystal

[illegible]



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For multi stream support:

Yes: multi stream fix to 500kbps/100kbps
Yes*: multi stream setting support in Cystal

For PTZ:

Yes*: Joystick support to control PTZ speed in Crystal

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Multi Stream Support	Remarks
WK-SD6000HD	v1.4.1.8	H.264 MJPEG	1	1920x1080	1-way	-	*2	*2	*2	*2	Tested by link

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For multi stream support:
Yes: multi stream fix to 500kbps/100kbps
Yes*: multi stream setting support

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Multi Stream Support	Snapshot	Remarks
YUC-H626A	Refer to YUC-H7A26A(VE1.0.20.10_Y)	H.264 MJPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	Yes*	Yes	Support by design
YUC-H7926A	Refer to YUC-H7A26A(VE1.0.20.10_Y)	H.264 MJPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	Yes*	Yes	Support by design
YUC-H7926AM	Refer to YUC-H7A26A(VE1.0.20.10_Y)	H.264 MJPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	Yes*	Yes	Support by design
YUC-H7982	Refer to YUC-H7A82(VH1.0.0.3_Y)	H.264 MJPEG	1	2688x1520	1-way	1/1	-	Yes	Yes	Yes*	Yes	Support by design
YUC-H7982M	Refer to YUC-H7A82(VH1.0.0.3_Y)	H.264 MJPEG	1	2688x1520	1-way	1/1	-	Yes	Yes	Yes*	Yes	Support by design
YUC-H79882	Refer to YUC-H7A82(VH1.0.0.3_Y)	H.264 MJPEG	1	2688x1520	1-way	1/1	-	Yes	Yes	Yes*	Yes	Support by design
YUC-H7A82	VH1.0.0.3_Y	H.264 MJPEG	1	2688x1520	1-way	1/1	-	Yes	Yes	Yes*	Yes	
Note:	1. Camera cannot achieve maximum FPS with MJPEG and high resolution. (Camera performance limitation) 2.Stream 1 cannot achieve maximum FPS when stream 2 connect with MJPEG and high resolution in the same time. (Camera performance limitation) 3. Resolution list and bitrate list does not synchronize with web. (Camera Firmware issue) 4. Audio has noise. (Camera Firmware issue)											
YUC-H7A26A	VE1.0.20.10_Y	H.264 MJPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	Yes*	Yes	
Note:	1. Stream2 cannot achieve maimum FPS with connecting two streams simultaneously. (Camera performance limitation) 2. Audio codec only can choose G711. (Camera Firmware issue)											
YUC-H7A855	Refer to YUC-H7A26A(VE1.0.20.10_Y)	H.264 MJPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	Yes*	Yes	Support by design
YUC-H7B82	Refer to YUC-H7A82(VH1.0.0.3_Y)	H.264 MJPEG	1	2688x1520	1-way	1/1	-	Yes	Yes	Yes*	Yes	Support by design
YUC-H7B82M	Refer to YUC-H7A82(VH1.0.0.3_Y)	H.264 MJPEG	1	2688x1520	1-way	1/1	-	Yes	Yes	Yes*	Yes	Support by design
YUC-H7B882	Refer to YUC-H7A82(VH1.0.0.3_Y)	H.264 MJPEG	1	2688x1520	1-way	1/1	-	Yes	Yes	Yes*	Yes	Support by design
YUC-HB26A	Refer to YUC-H7A26A(VE1.0.20.10_Y)	H.264 MJPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	Yes*	Yes	Support by design
YUC-HB855	Refer to YUC-H7A26A(VE1.0.20.10_Y)	H.264 MJPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	Yes*	Yes	Support by design
YUC-HC26A	Refer to YUC-H7A26A(VE1.0.20.10_Y)	H.264 MJPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	Yes*	Yes	Support by design
YUC-HC855	Refer to YUC-H7A26A(VE1.0.20.10_Y)	H.264 MJPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	Yes*	Yes	Support by design

YUC-HD26A	Refer to YUC-H7A26A(VE1.0.2 0.10_Y)	H.264 MJPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	Yes*	Yes	Support by design
YUC-HD855	Refer to YUC-H7A26A(VE1.0.2 0.10_Y)	H.264 MJPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	Yes*	Yes	Support by design
YUC-HH26A	Refer to YUC-H7A26A(VE1.0.2 0.10_Y)	H.264 MJPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	Yes*	Yes	Support by design
YUC-HH855	Refer to YUC-H7A26A(VE1.0.2 0.10_Y)	H.264 MJPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	Yes*	Yes	Support by design
YUC-Hi26A	Refer to YUC-H7A26A(VE1.0.2 0.10_Y)	H.264 MJPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	Yes*	Yes	Support by design
YUC-Hi26AM	Refer to YUC-H7A26A(VE1.0.2 0.10_Y)	H.264 MJPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	Yes*	Yes	Support by design
YUC-Hi82	Refer to YUC-H7A82(VH1.0.0.3_Y)	H.264 MJPEG	1	2688x1520	1-way	1/1	-	Yes	Yes	Yes*	Yes	Support by design
YUC-Hi82M	Refer to YUC-H7A82(VH1.0.0.3_Y)	H.264 MJPEG	1	2688x1520	1-way	1/1	-	Yes	Yes	Yes*	Yes	Support by design
YUC-Hi882	Refer to YUC-H7A82(VH1.0.0.3_Y)	H.264 MJPEG	1	2688x1520	1-way	1/1	-	Yes	Yes	Yes*	Yes	Support by design
YUC-HK26A	Refer to YUC-H7A26A(VE1.0.2 0.10_Y)	H.264 MJPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	Yes*	Yes	Support by design
YUC-HK855	Refer to YUC-H7A26A(VE1.0.2 0.10_Y)	H.264 MJPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	Yes*	Yes	Support by design
YUC-HL26A	Refer to YUC-H7A26A(VE1.0.2 0.10_Y)	H.264 MJPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	Yes*	Yes	Support by design
YUC-HL26AM	Refer to YUC-H7A26A(VE1.0.2 0.10_Y)	H.264 MJPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	Yes*	Yes	Support by design
YUC-HL82	Refer to YUC-H7A82(VH1.0.0.3_Y)	H.264 MJPEG	1	2688x1520	1-way	1/1	-	Yes	Yes	Yes*	Yes	Support by design
YUC-HL882	Refer to YUC-H7A82(VH1.0.0.3_Y)	H.264 MJPEG	1	2688x1520	1-way	1/1	-	Yes	Yes	Yes*	Yes	Support by design
YUC-HMi855	Refer to YUC-H7A26A(VE1.0.2 0.10_Y)	H.264 MJPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	Yes*	Yes	Support by design
YUC-HNi855	Refer to YUC-H7A26A(VE1.0.2 0.10_Y)	H.264 MJPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	Yes*	Yes	Support by design
YUC-HP82	Refer to YUC-H7A82(VH1.0.0.3_Y)	H.264 MJPEG	1	2688x1520	1-way	1/1	-	Yes	Yes	Yes*	Yes	Support by design
YUC-HQ26A	Refer to YUC-H7A26A(VE1.0.2 0.10_Y)	H.264 MJPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	Yes*	Yes	Support by design
YUC-HQ855	Refer to YUC-H7A26A(VE1.0.2 0.10_Y)	H.264 MJPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	Yes*	Yes	Support by design
YUC-HS26A	Refer to YUC-H7A26A(VE1.0.2 0.10_Y)	H.264 MJPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	Yes*	Yes	Support by design

YUC- HS855	Refer to YUC- H7A26A(VE1.0.2 0.10_Y)	H.264 MJPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	Yes*	Yes	Support by design
YUC- HV26A	Refer to YUC- H7A26A(VE1.0.2 0.10_Y)	H.264 MJPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	Yes*	Yes	Support by design



- : not available on camera
 *1: not available on software
 *2: not test on software

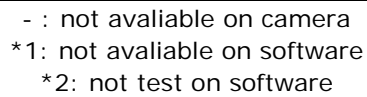
For multi stream support:

Yes: multi stream fix to 500kbps/100kbps
 Yes*: multi stream setting support in Cystal

For PTZ:

Yes*: Joystick support to control PTZ speed in Crystal

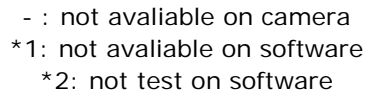
Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Multi Stream Support	Remarks
B5010	Refer to Beward N600 (M2.0.9.13.1_ENG)	H.264 MPEG4 M-JPEG	1	640x480	-	-	-	Yes	Yes	Yes	Supported by design
B5110	MG.0.6.01_C1	H.264 MPEG4 M-JPEG	1	1280x1024	1-way	1/1	-	Yes	Yes	Yes	Supported by design
B5111	M2.1.6.02C045	H.264 MPEG4 M-JPEG	1	1280x800	-	-	-	Yes	Yes	Yes*	
Note:	1. Camera with format MJPEG MPEG4 and high resolution is unable to achieve 30 fps. (Camera performance limitation) 2. Stream 2 & stream 3's resolution list can not sync with web. (Camera firmware issue)										
B5210	M2.1.6.05	H.264 MPEG4 M-JPEG	1	1920x1080	-	-	-	Yes	Yes	Yes*	
Note:	1. Resolution list can not synchronize with web in MPEG4. (Camera Firmware issue)										
B6110	MG.0.6.01_C1	H.264 MPEG4 M-JPEG	1	1280x1024	1-way	1/1	-	Yes	Yes	Yes	Supported by design
B6210	03_C002	H.264 MJPEG	1	1920x1080	-	-	-	Yes	Yes	Yes*	
Note	1. Framerate is unable to achieve setting value in MJPEG 1920x1080. (Camera performance limitation)										
B6220	03_C002	H.264 MJPEG	1	1920x1080	1-way	2/1	-	Yes	Yes	Yes*	
Note:	1. Camera can not achieve the setting bit rate. (Camera Firmware issue) 2. Volume of camera audio-in is low. (Camera Firmware issue)										
B6320	01_C018	H.264 H.265 M-JPEG	1	2048x1520	-	-	-	Yes	Yes	Yes*	
Note:	1. H.265 starts from Crystal 3.2. 2. Display mosaic happen in 2304x1296 MJPEG. (Camera performance limitation) 3. Quality list can not synchronize with web. (Camera Firmware issue) 4. Bitrate list can not synchronize with web in MJPEG. (Camera Firmware issue)										
B6330	Refer to B8520(01_C028)	H.264 H.265 MJPEG	1	2560x1920	1-way	-	Yes*	Yes	Yes	Yes*	Supported by design
B6520	01_C018	H.264 H.265 MJPEG	1	2560x1920	-	-	-	Yes	Yes	Yes*	
Note:	1. H.265 starts from Crystal 3.2. 2. Camera web does not have WDR setting. (Camara Firmware issue) 3. Quality list can not synchronize with web. (Camera Firmware issue)										
B6530	Refer to B8520(01_C028)	H.264 H.265 MJPEG	1	2560x1920	1-way	-	Yes*	Yes	Yes	Yes*	Supported by design
B7210	M2.1.6.04	H.264 MPEG4 M-JPEG	1	1920x1080	1-way	2/2	-	Yes	Yes	Yes*	



Yes: multi stream fix to 500kbps/100kbps
Yes*: multi stream setting support in Cystal

Yes*: Joystick support to control PTZ speed in Crystal

Note:	<ol style="list-style-type: none"> 1. Setting will failed when setting the resolution to 640x360.(Camerat firmware issue) 2. Camera is unable to achieve maximum FPS.(Camera performance limitation) 3. Camera setting will fail randomly.(Camera firmware issue)
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Yes: multi stream fix to 500kbps/100kbps
Yes*: multi stream setting support in Cystal

Yes*: Joystick support to control PTZ speed in Crystal

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Multi Stream Support	Remarks
B7320	M3.1.5.17	M-JPEG H.264	1	2048x1536	1-way	2/2	-	Yes	Yes	Yes	
Note	1.Not support audio in.										
B7510	M3.1.5.19	H264 MJPEG	1	2560x1920	1-way	2/2	-	Yes	Yes	Yes	
B8210	M2.1.5.20	H.264 MJPEG	1	1920x1080	1-way	2/2	Yes*	Yes	Yes	Yes*	
Note:	1. Audio has noise with AMR. (Camera Firmware issue) 2. Camera with highest resolution is unable to achieve maximum FPS. (Camera performance limitation) 3. Move can't not move to center. (Camera Firmware issue) 4. Speed range is not synchronize with web. (Camera Firmware issue)										
B8220	01_C020	H.264 H.265 MJPEG	1	1920x1080	1-way	2/2	Yes	Yes	Yes	Yes*	
Note:	1. H.265 starts from Crystal 3.2. 2.The max resolution of stream3 will not sync with camera web. (Camera firmware issue) 3. Audio has noise with AMR. (Camera firmware issue) 4. Not G.726 support. (NUUO server limitation) 5. Camera is unable to achieve maximum FPS when audio codec is AMR. (Camera performance limitation)										
B8520	01_C020	H.264 H.265 MJPEG	1	2560x1920	1-way	2/2	Yes	Yes	Yes	Yes*	
Note:	1. H.265 starts from Crystal 3.2. 2. Audio stutter with highest bitrate, quality, resolution. (Camera performance limitaion) 3. Camera with highest resolution and MJPEG format is unable to achieve maximum fps. (Camera performance limitation) 4. Sever resolution list is not same as web page with MJPEG format. (Camera Firmware issue) 5. Not support G.726. (NUUO server limitation)										
D3100	M2.1.6.02.0 830	H.264 MPEG4 M-JPEG	1	1280x800	-	1/1	-	Yes	Yes	Yes	
Note:	1. Not support audio.										
D3200	M2.1.6.02C0 66	H.264 MPEG4 M-JPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	Yes	
Note:	1. There is no audio when using AMR 7.95 2. The talk function is unworked in AMR mode. 3. The max frame rate of MPEG4 is up to 20 FPS in 1920x1080 and 1280x800. It's the limitation of hardware										
D4210	M2.1.5.11	H264 MJPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	Yes*	
D4211	Refer to D4210(M2.1. 5.11)	H264 MJPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	Yes*	Supported by design
D4320	01_C020	H.264 H.265 MJPEG	1	2048x1536	1-way	1/1	-	Yes	Yes	Yes*	
Note:	1. H.265 starts from Crystal 3.2. 2. Audio has noise. (Camera Firmware issue) 3. Not G.726 support. (NUUO server limitation) 4. Quality list may not be synchronized with camera web. (Camera Firmware issue)										



- : not available on camera
 *1: not available on software
 *2: not test on software

For multi stream support:

Yes: multi stream fix to 500kbps/100kbps
 Yes*: multi stream setting support in Crystal

For PTZ:

Yes*: Joystick support to control PTZ speed in Crystal

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Multi Stream Support	Remarks
D4520	01_C017	H.264 H.265 MJPEG	1	2560x1920	1-way	1/1	-	Yes	Yes	Yes*	
Note:	1. Quality list can not sync with web in MJPEG with high resolution. (Camera firmware issue) 2. Frame rate list can not sync with web. (Camera firmware issue) 3. Bitrate is unable to achieve setting value. (Camera performance limitation) 4. Frame rate is unable to achieve 30 fps in MJPEG with 1920x1080. (Camera performance limitation) 5. G.726 can not be used. (NUUO server limitation)										
D510E	LM.1.6.16.03	MPEG4 M-JPEG	1	640x480	1-way	1/1	-	Yes	Yes	Yes	Supported by design
D5110	Refer to D5111	H.264 MPEG4 M-JPEG	1	1280x1024	-	2/2	Yes	Yes	Yes	Yes	Supported by design
D5111	MG.1.6.03P7_app7	H.264 MPEG4 M-JPEG	1	1280x1024	-	2/2	Yes	Yes	Yes	Yes	
D5112	Refer to D5113 (M2.1.6.01)	H.264 MPEG4 M-JPEG	1	1280x720	-	1/1	-	Yes	Yes	Yes	Supported by design
D5113	M2.1.6.01	H.264 MJPEG MPEG4	1	1280x720	-	1/1	-	Yes	Yes	Yes	
D520E	LM.1.6.16.03	MPEG4 M-JPEG	1	640x480	1-way	1/1	-	Yes	Yes	Yes	Supported by design
D5210	M2.1.6.04	H.264 MPEG4 M-JPEG	1	1920x1080	-	1/1	-	Yes	Yes	Yes*	
Note:	Due to camera restriction, some video setting will fail. This situation will be same as camera web. (Camera performance limitation)										
D610A	LM.1.6.16	MPEG4 M-JPEG	1	640x480	1-way	-	-	Yes	Yes	Yes	
D6111	MG.0.6.01_C1	H.264 MPEG4 M-JPEG	1	1280x1024	1-way	1/1	-	Yes	Yes	Yes	Supported by design
D611E	LM.1.6.16	MPEG4 M-JPEG	1	640x480	1-way	-	-	Yes	Yes	Yes	
D6210	03_C002	H.264 MJPEG	1	1920x1080	-	-	-	Yes	Yes	Yes*	
Note:	1. Framerate is unable to achieve setting value in MJPEG 1920x1080. (Camera performance limitation)										
D6220	Refer to B6220(03_C002)	H.264 MJPEG	1	1920x1080	1-way	2/1	-	Yes	Yes	Yes*	Supported by design
D6320	01_C013	H.264 H.265 M-JPEG	1	2048x1520	-	-	-	Yes	Yes	Yes*	
Note:	1. H.265 starts from Crystal 3.2. 2. Display mosaic happen in 2304x1296 MJPEG. (Camera performance limitation) 3. Quality list can not synchronize with web. (Camera Firmware issue) 4. Bitrate list can not synchronize with web in MJPEG. (Camera Firmware issue)										
D6330	Refer to B8520(01_C028)	H.264 H.265 MJPEG	1	2560x1920	1-way	-	Yes*	Yes	Yes	Yes*	Supported by design



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For multi stream support:

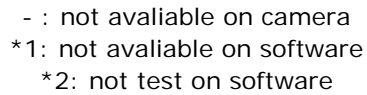
Yes: multi stream fix to 500kbps/100kbps

Yes*: multi stream setting support in Cystal

For PTZ:

Yes*: Joystick support to control PTZ speed in Crystal

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Multi Stream Support	Remarks
D6520	Refer to B6520(01_C 020)	H.264 H.265 MJPEG	1	2560x1920	-	-	-	Yes	Yes	Yes*	Supported by design
D6530	Refer to B8520(01_C 028)	H.264 H.265 MJPEG	1	2560x1920	1-way	-	Yes*	Yes	Yes	Yes*	Supported by design
D7110	MG.1.6.03P7_app7	H.264 MPEG4 M-JPEG	1	1280x1024	-	1/1	-	Yes	Yes	Yes	
D7111	Refer to D5113	H.264 MJPEG MPEG4	1	1280x720	-	1/1	-	Yes	Yes	Yes	Supported by design
D7210	M2.1.6.02C066	H.264 MPEG4 M-JPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	Yes	Supported by design
Note:	1. There is no audio when using AMR 7.95 2. The talk function is unworked in AMR mode. 3. The max frame rate of MPEG4 is up to 20 FPS in 1920x1080 and 1280x800. It's the limitation of hardware										
D7320	M3.1.5.21	H.264 M-JPEG	1	2048x1536	1-way	1/1	-	Yes	Yes	Yes	
Note:	Frame rate can't reach setting value										
D7510	M3.04.15.CO1	H.264 M-JPEG	1	2560x1920	1-way	1/1	-	Yes	Yes	Yes	
Note:	1. Framerate support 1~15 only. 2. Connecting stream by RTSP over HTTP in high video quality will cause delayed image and broken voice.										
D8210	Refer to B8210(M2.1.5.20)	H.264 MJPEG	1	1920x1080	1-way	2/2	Yes	Yes	Yes	Yes*	Supported by design
D8220	Refer to B8220(01_C 020)	H.264 H.265 MJPEG	1	1920x1080	1-way	2/2	Yes	Yes	Yes	Yes*	Supported by design
Note:	1. H.265 starts from Crystal 3.2.										
D8520	Refer to B8520(01_C 020)	H.264 H.265 MJPEG	1	2560x1920	1-way	2/2	Yes	Yes	Yes	Yes*	Supported by design
Note:	1. H.265 starts from Crystal 3.2.										
F1100	Refer to F1105	MJPEG	1	1280x720	1-way	-	-	Yes	Yes	Yes	Supported by design
F1105	BP.1.6.01_C1	MJPEG	1	1280x720	1-way	-	-	Yes	Yes	Yes	
F210A	LM.1.6.15	MPEG4 M-JPEG	1	640x480	1-way	-	-	Yes	Yes	Yes	
F3100	MG.0.6.01_C1	H.264 MPEG4 M-JPEG	1	1280x1024	1-way	-	-	Yes	Yes	Yes	Supported by design
F3101	Refer to F3106	H.264 MPEG4 M-JPEG	1	1280x1024	1-way	-	-	Yes	Yes	Yes	



Yes: multi stream fix to 500kbps/100kbps
Yes*: multi stream setting support in Cystal

Yes*: Joystick support to control PTZ speed in Crystal

[illegible]



- : not available on camera
 *1: not available on software
 *2: not test on software

For multi stream support:

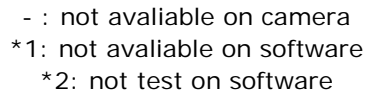
Yes: multi stream fix to 500kbps/100kbps

Yes*: multi stream setting support in Cystal

For PTZ:

Yes*: Joystick support to control PTZ speed in Crystal

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Multi Stream Support	Remarks
F3105	MG.0.6.01_C1	H.264 MPEG4 M-JPEG	1	1280x1024	1-way	-	-	Yes	Yes	Yes	Supported by design
F3106	MG.1.6.03C8	H.264 MPEG4 M-JPEG	1	1280x1024	1-way	-	-	Yes	Yes	Yes	
F3107	M2.1.6.05	H.264 MPEG4 M-JPEG	1	1280x800	1-way	1/1	-	Yes	Yes	Yes*	
Note:	1. 1.Audio via AMR has noises. (Firmware issue)										
F3110	M2.1.6.02C045	H.264 MPEG4 M-JPEG	1	1280x800	1-way	1/1	-	Yes	Yes	Yes	
Note:	1. There is no audio when using AMR 7.95 2. The talk function is unworked in AMR mode. 3. The max frame rate of MPEG4 is up to 20 FPS in 1280x800. It's the limitation of hardware										
F3115	M2.1.6.02C045	H.264 MPEG4 M-JPEG	1	1280x800	1-way	1/1	-	Yes	Yes	Yes	Supported by design
Note:	1. There is no audio when using AMR 7.95 2. The talk function is unworked in AMR mode. 3. The max frame rate of MPEG4 is up to 20 FPS in 1280x800. It's the limitation of hardware										
F312A	LM.1.6.16.03	MPEG4 M-JPEG	1	640x480	1-way	-	-	Yes	Yes	Yes	
F3201	Refer to F3206	H.264 MPEG4 M-JPEG	1	1920x1080	1-way	-	-	Yes	Yes	Yes	
F3206	M2.P2P_0314	H.264 MPEG4 M-JPEG	1	1920x1080	1-way	2/2	-	Yes	Yes	Yes	
F3210	M2.1.6.03C019	H.264 MPEG4 M-JPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	Yes	
Note:	For F3210, Video resolution can not change when only setting resoltuion.										
F3215	M2.1.6.05C016	H.264 M-JPEG MPEG4	1	1920x1080	1-way	1/1	-	Yes	Yes	Yes*	
Note:	Resolution list is not synchronized with camera web due to resolution setting limitation. (Camera limitation issue)										
F5100	MG.0.6.01_C1	H.264 MPEG4 M-JPEG	1	1280x1024	1-way	1/1	-	Yes	Yes	Yes	Supported by design
F5105	MG.0.6.01_C1	H.264 MPEG4 M-JPEG	1	1280x1024	1-way	1/1	-	Yes	Yes	Yes	Supported by design
F510E	LM.1.6.16.03	MPEG4 M-JPEG	1	640x480	1-way	1/1	-	Yes	Yes	Yes	Supported by design
F510W	LM.1.6.16.03	MPEG4 M-JPEG	1	640x480	1-way	1/1	-	Yes	Yes	Yes	Supported by design
F5110	MG.0.6.01_C1	H.264 MPEG4 M-JPEG	1	1280x1024	1-way	1/1	-	Yes	Yes	Yes	Supported by design
F5115	MG.0.6.01_C1	H.264 MPEG4 M-JPEG	1	1280x1024	1-way	1/1	-	Yes	Yes	Yes	Supported by design
F511E	LM.1.6.16.03	MPEG4 M-JPEG	1	640x480	1-way	1/1	-	Yes	Yes	Yes	Supported by design



Yes: multi stream fix to 500kbps/100kbps
Yes*: multi stream setting support in Cystal

Yes*: Joystick support to control PTZ speed in Crystal

[illegible]



- : not available on camera
*1: not available on software
*2: not test on software

For multi stream support:

Yes: multi stream fix to 500kbps/100kbps
Yes*: multi stream setting support in Crystal

For PTZ:

Yes*: Joystick support to control PTZ speed in Crystal

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Multi Stream Support	Remarks
M511W	LM.1.6.16.03	MPEG4 M-JPEG	1	640x480	1-way	1/1	Yes	Yes	Yes	Yes	Supported by design
Note:	PTZ Support: pan and tilt only										
N24320	Refer to P4320(01_C 013)	H.264 H.265 MJPEG	1	2048x1520	1-way	1/1	-	Yes	Yes	Yes*	Supported by design



- : not available on camera
 *1: not available on software
 *2: not test on software

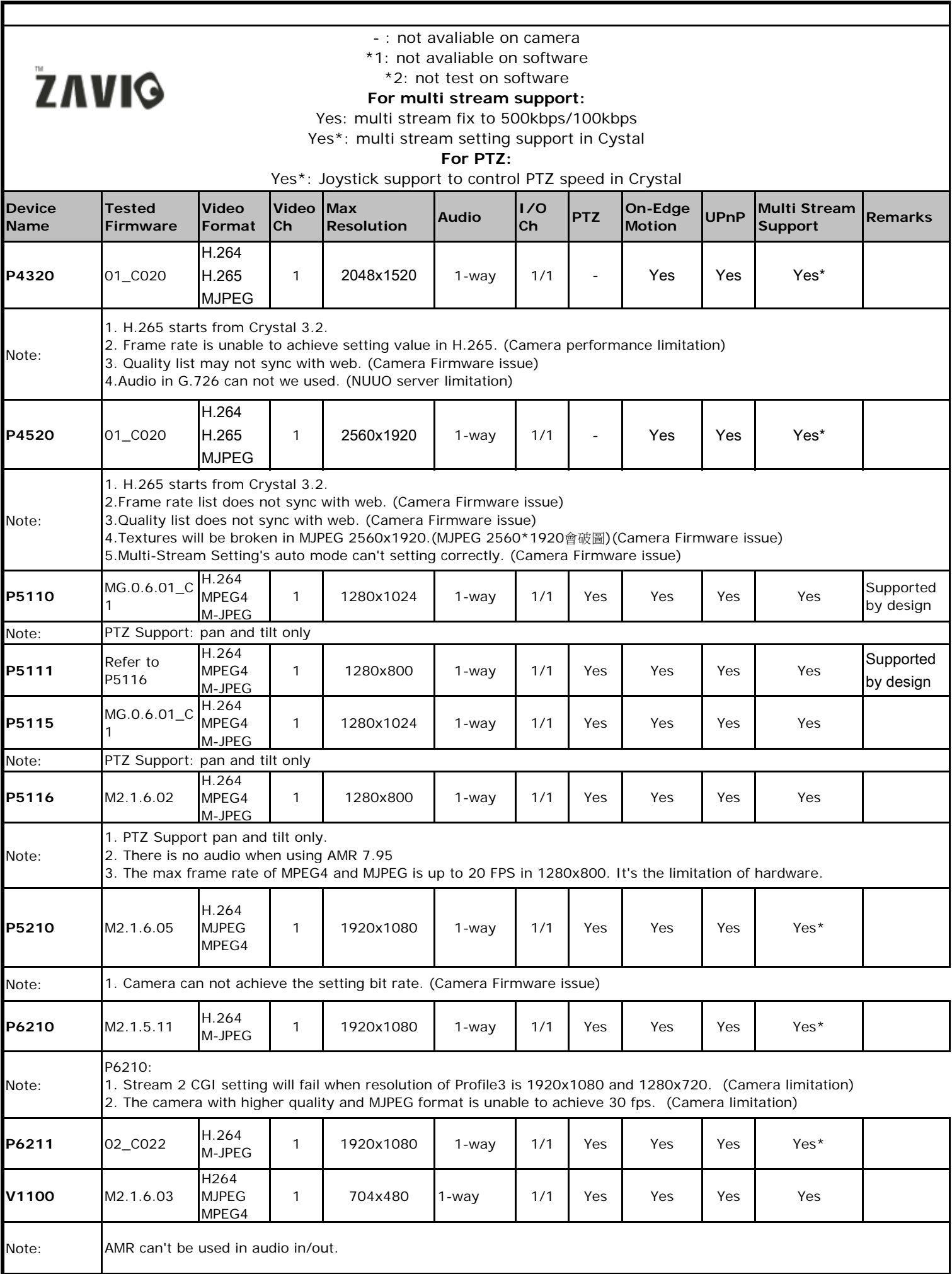
For multi stream support:

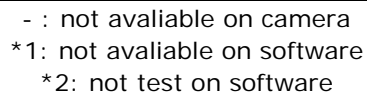
Yes: multi stream fix to 500kbps/100kbps
 Yes*: multi stream setting support in Cystal

For PTZ:

Yes*: Joystick support to control PTZ speed in Crystal

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Multi Stream Support	Remarks
Note:	1. H.265 starts from Crystal 3.2.										
N24520	Refer to P4520(01_C 013)	H.264 H.265 MJPEG	1	2560x1920	1-way	1/1	-	Yes	Yes	Yes*	Supported by design
Note:	1. H.265 starts from Crystal 3.2.										
N36210	Refer to B6210(03_C 002)	H.264 MJPEG	1	1920x1080	-	-	-	Yes	Yes	Yes*	Supported by design
N36220	Refer to B6220(03_C 002)	H.264 MJPEG	1	1920x1080	1-way	2/1	-	Yes	Yes	Yes*	Supported by design
N36320	Refer to B6320(01_C 018)	H.264 H.265 MJPEG	1	2048x1536	-	-	-	Yes	Yes	Yes*	Supported by design
N36520	Refer to B6520(01_C 018)	H.264 H.265 MJPEG	1	2560x1920	-	-	-	Yes	Yes	Yes*	Supported by design
N38210	Refer to B8210(02)	H264 MJPEG	1	1920x1080	1-way	2/2	Yes	Yes	Yes	Yes*	Supported by design
N74320	Refer to D4320 (01_C014)	H.264 H.265 MJPEG	1	2048x1536	1-way	1/1	-	Yes	Yes	Yes*	Supported by design
Note:	1. H.265 starts from Crystal 3.2.										
N74520	Refer to D4520 (01_C017)	H.264 H.265 MJPEG	1	2560x1920	1-way	1/1	-	Yes	Yes	Yes*	Supported by design
N76210	Refer to D6210(03_C 002)	H.264 MJPEG	1	1920x1080	-	-	-	Yes	Yes	Yes*	Supported by design
N76220	Refer to B6220(03_C 002)	H.264 MJPEG	1	1920x1080	1-way	2/1	-	Yes	Yes	Yes*	Supported by design
N76320	Refer to D6320(01_C 013)	H.264 H.265 MJPEG	1	2304x1296	-	-	-	Yes	Yes	Yes*	Supported by design
N76520	Refer to B6520(01_C 018)	H.264 H.265 MJPEG	1	2560x1920	-	-	-	Yes	Yes	Yes*	Supported by design





Yes: multi stream fix to 500kbps/100kbps
Yes*: multi stream setting support in Cystal

Yes*: Joystick support to control PTZ speed in Crystal

Note	If enable Zavio analog video output function, it will not be able to get 2 nd stream from zavio camera.
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- : not available on camera
 *1: not available on software
 *2: not test on software

For multi stream support:

Yes: multi stream fix to 500kbps/100kbps
 Yes*: multi stream setting support in Cystal

For PTZ:

Yes*: Joystick support to control PTZ speed in Crystal

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Multi Stream Support	Remarks
N1011		H264 MJPEG	1	2560x1920	1-way	1/1	Yes	Yes	Yes	Yes	Supported by design
N1012		H264 MJPEG	1	2560x1920	1-way	1/1	Yes	Yes	Yes	Yes	Supported by design
N1031		H.264 M-JPEG	1	2048x1536	1-way	1/1	Yes	Yes	Yes	Yes	Supported by design
N1032		H.264 M-JPEG	1	2048x1536	1-way	1/1	Yes	Yes	Yes	Yes	Supported by design
N3011		H264 MJPEG	1	2560x1920	1-way	1/1	Yes	Yes	Yes	Yes	Supported by design
N3012		H264 MJPEG	1	2560x1920	1-way	1/1	Yes	Yes	Yes	Yes	Supported by design
N3031		H.264 M-JPEG	1	2048x1536	1-way	1/1	Yes	Yes	Yes	Yes	Supported by design
N3032		H.264 M-JPEG	1	2048x1536	1-way	1/1	Yes	Yes	Yes	Yes	Supported by design
N3071	Refer to 3S N3072	H264 M-JPEG	1	1600x1200	1-way	-	-	Yes	-	Yes	
N3072	V1.13.0_STD-1	H.264	1	1600x1200	1-way	1/1	Yes*	Yes	Yes	Yes*	
Note	1. The bit rate via MJPEG is too high. (Camera performance limitation) 2. The frame rate via MJPEG is unable to achieve maximum FPS. (Camera performance limitation) 3. Connection lost when frame rate is set to 1 fps. (Camera performance limitation) 4. Pan and tilt speed will set together. (Camera Firmware issue) 5. Down left, Down right, up left and up right will pan first and then still tilt. (Camera Firmware issue)										
N5012	V1.01_STD-1	H.264 MJPEG	1	1920x1080	1-way	1/1	Yes	Yes	Yes	Yes	
Note	HTTP port always 80 when using UPnP search.										
N5013	V1.04_STD-1	H.264 MJPEG	1	704x576	1-way	1/1	Yes	Yes	Yes	Yes	
N5071	V1.03_STD-1	H264 M-JPEG	1	704x576/ 704x480	1-way	-	Yes	Yes	Yes	Yes	
N6011		H264 MJPEG	1	2560x1920	1-way	1/1	Yes	Yes	Yes	Yes	Supported by design
N6012		H264 MJPEG	1	2560x1920	1-way	1/1	Yes	Yes	Yes	Yes	Supported by design
N6013		H264 MJPEG	1	2560x1920	1-way	1/1	Yes	Yes	Yes	Yes	Supported by design
N6014		H264 MJPEG	1	2560x1920	1-way	1/1	Yes	Yes	Yes	Yes	Supported by design
N6015		H264 MJPEG	1	2560x1920	1-way	1/1	Yes	Yes	Yes	Yes	Supported by design

N6016		H264 MJPEG	1	2560x1920	1-way	1/1	Yes	Yes	Yes	Yes	Supported by design
N6031		H.264 M-JPEG	1	2048x1536	1-way	1/1	Yes	Yes	Yes	Yes	Supported by design
N6032		H.264 M-JPEG	1	2048x1536	1-way	1/1	Yes	Yes	Yes	Yes	Supported by design
N6033		H.264 M-JPEG	1	2048x1536	1-way	1/1	Yes	Yes	Yes	Yes	Supported by design
N6034		H.264 M-JPEG	1	2048x1536	1-way	1/1	Yes	Yes	Yes	Yes	Supported by design
N6035		H.264 M-JPEG	1	2048x1536	1-way	1/1	Yes	Yes	Yes	Yes	Supported by design
N6036		H.264 M-JPEG	1	2048x1536	1-way	1/1	Yes	Yes	Yes	Yes	Supported by design
N6037		H.264 M-JPEG	1	2048x1536	1-way	1/1	Yes	Yes	Yes	Yes	Supported by design
N6038		H.264 M-JPEG	1	2048x1536	1-way	1/1	Yes	Yes	Yes	Yes	Supported by design
N6072	Refer to 3S N6075	H264 M-JPEG	1	1600x1200	1-way	1/1	-	Yes	Yes	Yes	Supported by design
N6073	Refer to 3S N6075	H264 M-JPEG	1	1600x1200	1-way	1/1	-	Yes	Yes	Yes	Supported by design
N6074	Refer to 3S N6075	H264 M-JPEG	1	1600x1200	1-way	1/1	-	Yes	Yes	Yes	Supported by design
N6075	V1.05_STD-1	H264 M-JPEG	1	1600x1200	1-way	1/1	-	Yes	Yes	Yes	
N6076	Refer to 3S N6075	H264 M-JPEG	1	1600x1200	1-way	1/1	-	Yes	Yes	Yes	Supported by design
N6077	Refer to 3S N6075	H264 M-JPEG	1	1600x1200	1-way	1/1	-	Yes	Yes	Yes	Supported by design
N6082	Refer to N9085(V1.05.0)	H.264	1	1600x1200	-	-	-	Yes	Yes	Yes*	Supported by design
N8011		H264 MJPEG	1	2560x1920	1-way	1/1	Yes	Yes	Yes	Yes	Supported by design
N8012		H264 MJPEG	1	2560x1920	1-way	1/1	Yes	Yes	Yes	Yes	Supported by design
N8031		H.264 M-JPEG	1	2048x1536	1-way	1/1	Yes	Yes	Yes	Yes	Supported by design
N8032		H.264 M-JPEG	1	2048x1536	1-way	1/1	Yes	Yes	Yes	Yes	Supported by design
N8072	V1.03_STD-1	H264 M-JPEG	1	1600x1200	1-way	0/0	-	Yes	-	Yes	
N8072-C	V1.04.0_STD-1	H.264	1	1600x1200	1-way	-	-	Yes	Yes	Yes*	
Note:	1. The actual audio codec is different with the setting codec. (Camera Firmware issue) 2. The stream 3's fps range is different to web. (Camera Firmware issue)										
N9012		H264 MJPEG	1	2560x1920	1-way	1/1	Yes	Yes	Yes	Yes	Supported by design

[illegible]