

# NUUO Education Vertical Solution Guide

**S**afety and security remain high on the agenda for school. School leaders are charged with a duty of care to their students, staff, and the protection of valuable assets. From high profile shooting incidents to vandalism, and the theft of IT equipment, campuses covering large perimeters, often with areas of bad lighting or elevators in isolated buildings, are a challenging environment where security is concerned.



Another issue that educational personnel consider today when selecting the surveillance system is the use of the cross-platform recorder: MAC or Windows based and IE or Firefox web-browsers support.

## Keeping Campus Safe Becomes More Challenging

NUUO believes that there are three main challenges that a surveillance solution in education industry must cover, which are the safety of student and staff; the protection of property, and ensuring the availability of evidence when events happened.

### *Students and Staff Safety*

Considering individual safety, it is imperative that effective coverage is provided across the campus, whether this is the main gates, elevators or isolated sites. Also, in recent years, the gun control issue brings the terrorism over the campus, which rises up the difficulty to keep the campus safe.

### *Property Protection*

In the meanwhile, educational establishments face the challenge of how to remain open for visitors; while at the same time, keeping property - such as valuable laboratory, IT equipment and documents - secure from damaging theft and vandalism.

### *Investigation and Evidence*

When an event happens, whether it's about threatening the safety of students and staffs, or about damaging the property, an investigation needs to be started. At that time, providing the best possible video evidence becomes the heart of a surveillance solution. Educational establishments should store all video footage locally and ensure the right settings are in place so the resolution and frame rate can be varied to satisfy the needs of live viewing and recording.

## It's More than Just Surveillance

Let's turn to the key benefits education establishments can get when applying NUUO Intelligent Video Surveillance Solution.

### *Gospel for Apple's Fans*

Apple has invested in education vertical for long time, and they provide special offering for educational users. Therefore, there're some schools preferring to use Mac system. NUUO has noticed this trend, and provided NUUO Titan NVR with Linux embedded and Mac client support to fulfill the preference. However, Titan NVR can still be managed using Microsoft OS.

Besides, Titan NVR can be remotely connected by its NuClient software, IE and Firefox browsers, which makes it an outstanding cross-platform recorder in the educational surveillance projects.

### *Reducing Violence and Vandalism*

NUUO's solutions are well placed to combat the threat of violence and vandalism, thanks to the event detection features such as I/O, IVS, Smart Guard, and Access Control or LPR (License Plate Recognition) integration provided by NUUO Mainconsole Family. When accompanying with the alarm notification features in client software and NUUO CMS (Central Management System) software, the proper response to the threatening events can be dealt with on-time action to stop or reduce the destructive behavior. For example, NUUO solution can automatically trigger the siren to deter an intruder entering the teachers' office at night time, or to notify the security guards at the control room when detecting a blacklisted ID card at the dormitory entry. Access control and LPR can also be combined to manage the entrance of vehicles and their drivers, so individuals not only need the right vehicle but also the correct ID card to enter into the campus, which enhances the security level of the whole campus.

### *Smarter Evidence Retrieval*

The last thing the security staffs want to do is to sift through large volumes of footage to find out the useful video clip for an event investigation. Now this process is much more manageable thanks to NUUO Mainconsole Smart Search and event logs. To ensure the integrity of the evidence, the digital watermark is provided.

### *Efficient Management and Less Security Cost*

Naturally, educational establishments are keen to be able to manage their surveillance infrastructure and their site as efficiently as possible. NUUO CMS can connect to a large number of NUUO NVRs/DVRs to centrally manage alerts. An intuitive E-map spotlights an incident's location, displays a message outlining the action to take, and ensures the correct I/O device is triggered.

By deploying this kind of solution, the security management becomes less hassle, and requires fewer security guards to monitor the campus, resulting in an improved security cost structure.

### *Favorable Cost of Ownership*

NUUO recognizes that many sites may want to take advantage of some existing analog infrastructure when upgrading. With this in mind, NUUO Mainconsole Hybrid and Tri-Brid recording can be readily implemented to record the video stream from IP cameras, standard analog cameras, and HD analog cameras. This way, the cost for expanding the security system can be reduced and optimized.

### *Remote Lessons*

Beyond security, it is now perfectly possible with NUUO solutions for students to attend an online class, or make up a missed lesson through NUUO remote client software, or iViewer application on their smart-phones by connecting with NVR/DVR servers online. NUUO also provides sophisticated SDK support to empower the school to insert the video recorded by NUUO system into school's website, or other viewing interfaces. SDK support is available by both NUUO Mainconsole & Titan NVR.

## **NUUO Walking With You at All Types of Campuses**

Ultimately, for education establishments looking to optimize their Intelligent Surveillance Solutions, NUUO provides an answer to meet their requirements, from protecting the safety of the personnel, keeping the properties well saved, to ensure offering the useable video for event investigation. Whether the school requires a Hybrid/Tri-Brid solution with IVS support, or prefers using Mac system or Windows; even when it's a smaller fenced school or a larger open campus, you can always find the solution in NUUO.