Romanian Big-Box Retailer Stops Theft with Open NUUO Surveillance Platform

Comprehensive Security Solution Integrates PoS Seamlessly

Customer Profile

Auchan is one of the largest retailers in the world. It is present in 12 countries through its four divisions: hypermarkets, supermarkets, shopping centers and banks.

The Auchan Hypermarket division features big-box retail stores with a large warehouse layout. All of its stores in Romanian cities are the largest in the big-box segment and record the highest customer traffic. Auchan Group operates 616 hypermarkets, 759 supermarkets and 320 shopping centers worldwide.

Background & Solution

Loss prevention was a top priority at Auchan’s Hypermarkets. An integrated surveillance solution was required to watch over customers, employees and retail goods. When analog DVRs failed to meet needs at Auchan Hypermarkets, the store management looked for a reliable recording solution for future expansion. The video recording system had to record both IP and analog streams, and open to customer's existing Fujitsu TP-X PoS system. NUUO Mainconsole provided all the functionality Auchan needed, with rapid deployment performed by local NUUO Certified Partner and integrator General Security.

A total of 10 Auchan locations deployed NUUO Mainconsole for local record and monitoring. The NUUO CMS in Control Center centrally connected all stores via VPN. Each store used 149pcs analog cameras throughout the store and 16pcs 1.3-megapixel cameras at the entrances.

Benefits

Easy integration made NUUO the perfect solution for Auchan’s monitoring needs. All PoS features were available for comprehensive integration. This allowed Auchan Hypermarket security to define events, such as when a transaction exceeded US$1,000, or when the goods got returned, then Mainconsole will alert the Control Center.

After the event, the security personnel could search footage from multiple PoS devices by keyword, making it a breeze to identify key video and access events.

The I/O devices, such as fire or burglar alarm, are easily managed by Mainconsole as well, sending the associated camera video to the Control Center upon event.

Last, while always record at day time, the cameras switched to motion-based recording after store closed, providing peace of mind at any time of day, and saving the storage cost.

Organization:
Auchan Romania S.A

Location:
Bucuresti Militari, Bucuresti Titan, Cluj, Timisoara, Constanta, Iasi, Craiova, Suceava, Targu Mures, Pitesti

Industry Segment:
Retail

Solution:
Mainconsole DVR, CMS, POS
Success Stories

General Security is an elite system integrator specializing in protection and electronic security. The company has years of experience with complex industrial, government and residential projects. Its success is built on innovation and ingenuity, creating a clear advantage over competitors.

General Security offers distribution and integration services at its locations in Cluj-Napoca, Brasov, Timisoara, Iasi and Bucharest. With a turnover of more than 9 million euros, General Security is one of the largest security companies in Romania.

Device & Software List

- Cameras:
  a) 1,490 analog cameras, distributed across 10 stores
  b) 160 1.3-megapixel network cameras, distributed across 10 stores

- Third-Party Devices:
  a) 640 Fujitsu TP-X POS systems, distributed at 10 stores
  b) 640 NUUO PoS Convertors (C31A), distributed at 10 stores

- I/O:
  a) 200 Digital Inputs (Fire Alarm & Burglar Alarm), distributed at 10 stores
  b) 60 Digital Outputs, distributed at 10 stores
  c) 10 NUUO Digital Input Boxes (C26), distributed at 10 stores
  d) 10 NUUO Digital Output Boxes (C24), distributed at 10 stores
  e) 10 NUUO I/O Converters (C08), distributed at 10 stores

- Recording Servers: 100 NUUO Mainconsole PC-based Hybrid Recorders distributed at 10 stores to local display (1 NUUO DVR Card SCB-7016S in each PC to record analog cameras; and NUUO IP+ license to record network cameras)

- Client Software: NUUO CMS in Control Center

- Storage: Internal storage of 12 TB (3 TB on four disks) per recorder

- Switch: 10 stores are remotely accessed and centralized by Control Center via VPN, using a Giga port router switch

Project Architecture

Supermarket

- Analog Cameras x149
- IP Cameras x16
- NUUO DVR Card (SCB-7018S) x10
- NUUO I/O Converter (C08) x2
- NUUO I/O Box (SCB-C26) x10
- NUUO I/O Box (SCB-C24) x10
- NUUO POS Converter (C31A) x64
- Panic Button x6
- Fire Alarm x10
- Burglar Alarm x10
- POS x64

Control Center

- Switch Router
- CMS Server: to receive the events from POS & I/O
- CMS Client: to manage the events from POS, I/O, & the associated cameras
- CMS Matrix: to display the associated camera image upon POS or I/O events

Project Photos

www.nuuo.com