

Liberty Midlands Mall Invests in IP-Based Surveillance System

NUUO Reliable High Megapixel Recording for Facial and Vehicle Recognition



Organization :

Liberty Midlands Mall

Location :

Pietermaritzburg, South Africa

Industry Segment :

Retail

Solution :

Mainconsole IP+, CMS

GPS:

S: 29, 34, 887

E: 030, 22, 608

Customer Profile

Liberty Midlands Mall, located in Kwa-Zulu Natal, South Africa, echoes the Kingdom of the Zulu with its unique design influenced by African culture. With over 167 shops, 2800 parking bays, and prime retail space of some 53,633.27m², it is by far the largest mall in the region.

Background

In 2011 the Mall decided that their 6-year-old analogue system was no longer providing the degree of surveillance coverage they needed. Due to the layout of the mall, the huge traffic through the mall, and the need to provide clear facial recognition of patrons and tenants, it was clear that IP megapixel technology was the answer. At the heart of the system, a robust server and management software would be crucial to effectively, intelligently and reliably deal with the huge volume of incoming data..

Solution

ML Technologies, the leading system integrator in the region, designed a comprehensive solution that incorporated Axis IP cameras, NUUO Mainconsole and NUUO CMS – all running on HP servers, desktop stations, and NEC screens. In total, 173 IP cameras were installed, with core components designed to be easily and readily upgradeable.

The system provides the Mall with crystal clear image quality (between 1 and 5 megapixels at 12fps). This allows for facial recognition within the mall, a primary requirement of the project. All data is recorded on event for 90 days through NUUO Mainconsole, and events can be easily searched within that time frame. System resources are efficiently employed in focusing on only the most valuable data. Besides NUUO Mainconsole, ML Technologies also installed a single NUUO CMS to monitor it all. The built-in video matrix wall made it easy for security personnel to manage alarms efficiently and without delay.

Benefits

The system has allowed the security team to foil several instances of motor vehicle theft, as they now have the ability to recognize previously identified suspects and vehicles that have been red-flagged; and now possess the tools to monitor and track suspicious behavior inside and outside the Mall.

The arrest rate of perpetrators has increased due to the police having access to clearly recognizable evidentiary footage of suspects caught in the act of transgressing.

The system has also allowed the Mall to monitor all passages for obstacles that may have caused patrons to trip and fall, as a result, these types of incidents have decreased significantly.

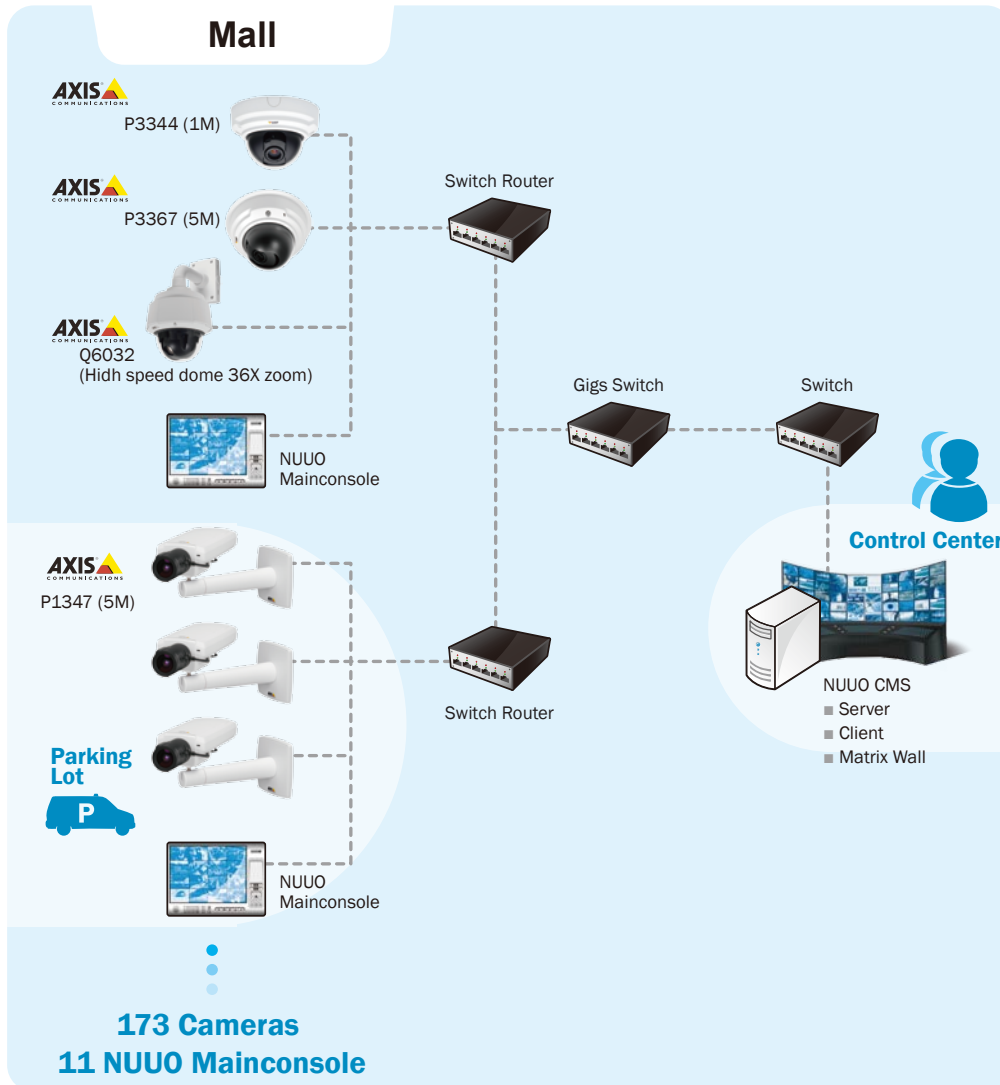


Device & Software List

- Cameras : 173 Axis IP Cameras (including: P1344 1MP, P3344 1MP, P3367 5MP mini domes, and Q6032 High Speed Domes P1347 5MP)
- Servers : 11 HP PCs as recording servers, & 1 HP Server as CMS server
- Monitors : NEC monitor in Control Center
- Client Viewing Stations : 12
- Server Software : NUUO Mainconsole
- Client Software : NUUO Remote Live Viewer & NUUO CMS in Control Center
- Storage : RAID 5



Project Architecture



NUUO Certified Partner – ML Technologies

Aiming to protect and secure customer assets, ML Technologies supplies, installs, configures and maintains CCTV systems whilst providing a complete product line of the world's leading security brands. From cameras and PC servers, to monitors, recording software and more, ML Technologies provides a total solution to the problem of surveillance-based security. Moreover, ML allows for the complete outsourcing of surveillance to them. In such cases, they not only supply the equipment, but also act as the command center to manage on-site events for their clients. Their professional service has built them an unparalleled reputation in the region, and they boast an impressive list of prestigious clients, such as Lonmin, Durban Roodepoort Deep, Liberty Life Properties and Trans Hex, to name only a few. ML is a NUUO certified partner, dedicated to promoting NUUO solutions. For further information on the company, visit <http://www.mltechnologies.co.za/>

Project Photos

