



## **IP Video Surveillance for Universities**

\*A 2015 crime and security trend survey published using the official police figures to measure rates of violent and sexual crimes, burglary and robbery shows that crime rate is 15% higher around the university compared with a London average.

### **Background**

In Universities and Educational facilities, video surveillance is an effective tool not only for increasing security, but also for preventing incidents before they happen. IP Megapixel video surveillance cameras are ideal for this preventive tasks. Most University campuses are comprised of many buildings which serve various needs, these building most of the time are linked by LAN connectivity therefore, IP video surveillance is the most cost effective way of deploying video surveillance in most universities; by using the existing infrastructure to deploy the video surveillance, making sure that this service is isolated to its own VLAN with strict access control to this segment of the LAN. Implementing NVR that has built-in access control combined with traditional network access control is one way of keeping this service secure. By implementing IP cameras that have Infrared and motion detection, active tampering alarm, audio detection, this increases the level of security of the educational institution.

### **Benefits of University Video Surveillance**

Increase overall security and safety – Security cameras positioned throughout a University Campus help to prevent crimes and break-ins and also allow operators to watch for troubled students and vandalism.

Improve worker safety – Safeguarding the well-being of all students and staff is a primary concern of any educational institution.

Prevent dishonest claims – Schools are facing challenges such as violence or vandalism on campus therefore you will find school security cameras as an indispensable aid to identifying and resolving issues as they arise between students and staff.

Resolve employee disputes – Employee disputes are easily resolved when clear visual proof is available. Surveillance cameras can shed light on incidents in question.

Continuous real-time monitoring – IP surveillance allows Security Staff on Campus to monitor critical areas continuously, in real time, from Command and Control Centre.

Privacy – Protect the privacy of your students and staff by implementing IP surveillance cameras in public areas like cafeterias, administrative offices, gymnasiums and outdoor areas like playgrounds and sports fields to avoid false claims.

Digital storage – Universities that choose to install IP-based video surveillance systems can take advantage of the benefits of digital storage. IP systems enable the user to store recorded footage digitally on network servers, hard-drives or NVRs, where the surveillance video is easily accessible to authorized users, and offers improved searching capabilities.

With the rise of radicalism, university is now the breeding ground for recruiting young fresh talent to various causes and having an effective live monitoring systems can help the education institution to help the fragile mind from deviating from their initial goal which is to study.

John Murphy, Birmingham University.

## Video Surveillance Setup Advice

- Place security cameras that provide views of all building entrances and exits in order to capture images of those entering and leaving the premises.
- Monitor University hallways to keep watch over the flow of activity within the facility.
- Position cameras in elevators and fire escapes.
- Utilise surveillance equipment to watch over the University's parking lots and loading areas.
- Install security cameras at entrances to restricted areas to ensure that only authorized users are granted access.
- Position cameras both inside and outside of the facility
- Position cameras at key positions in Emergency areas
- Position PTZ camera outdoor to be able to zoom in areas where students congregate before and after hours.
- Place indoor PTZ around gymnasiums and outdoor areas like playgrounds and sports fields
- Make sure that cameras are monitored 24x 7

## Key Security Areas of Hospitals

The advances in HD cameras and enhanced video platforms make video systems more and more important in the open environment of educational facilities. The key places for implementing IP cameras are:

- Main entrances and in administrative offices
- Entrance gate (indoors)
- Entrance gate (outdoors)
- Entrance (indoors)
- Hallway / Corridor
- Outdoor Parking Area
- Sports Court
- Surroundings (outdoors)
- Cafeteria
- All Exits
- Classroom (where valuable IT equipment's are)



## University in Ethiopia 2015

Crime detection and safety precautions are at the top of everyone's list when citing the need for video surveillance, and access control but they are far from the only reasons.

The implementation of iTM 5MP IP Cameras with 50 x BT41 Bullet outdoor and BT61 dome indoor with 6 x ETNR180 NVR for complete monitoring to cover 4 key buildings. Using ITM CMS, TV Wall and Enterprise NVR to monitor live the feed of these cameras via a control room.

### System Architecture

