

## Axis cameras deliver total perimeter security at expanding Lady Eleanor Holles School.

AXIS P3365-VE 2-megapixel day/night dome cameras with Lightfinder deployed externally to secure gates and doorways around-the-clock.



**Organization:**  
The Lady Eleanor Holles School

**Location:** Surrey, UK

**Industry segment:**  
Education

**Application:**  
Safety and security, theft prevention, perimeter protection, remote and mobile management

**Axis partners:**  
Kent CCTV & Data Ltd.,  
Milestone Systems

### Mission

The Lady Eleanor Holles School in the UK recently completed a major expansion and refurbishment building project. New art, drama and music centres in addition to a 300-seater theatre have been built; while all classrooms and the dining hall have been modernised. During the three-year building programme, the school needed to tighten security to prevent unauthorised site access and theft of building materials, especially as the school had previous experience of bicycle and computer equipment theft. Additional coverage was needed to cover the new building's entrances, fire exits, ICT suites, as well as all school access gates.

### Solution

A total of 22 new Axis cameras were networked by Axis partner Kent CCTV & Data Limited to cover all of the new building's entrances and exits and gate nearest to the new building. Cameras were fitted to cover the new building's entrances, fire exits and areas where expensive equipment was located.

AXIS P3365-V Dome Network Cameras were deployed inside; while AXIS P3365-VE weather resistant, vandal-proof, 2-megapixel dome cameras were positioned outside the new building's entrances covering car parks to the front and playing fields to the rear. This camera was also installed on the gate post and atop a 10-foot high CCTV pole to cover the vehicular and pedestrian gates nearest to the new building.

### Result

The school now has 100% perimeter protection having deployed a total of 64 Axis cameras and ANPR analytics covering all gates. Cameras cover public areas and corridors within buildings - both inside and out. By linking all cameras to Milestone XProtect® 2014 it has been possible to provide the school's receptionist with close-up views of all vehicles and pedestrians requesting access during school hours. Gates can also be released directly from digital buttons located at the top right-hand side of the relevant live image displayed on-screen. Cameras are also now viewable remotely outside normal school hours via Milestone Mobile, by both the school's caretaker and its head of technical support services.

**“It is great to achieve our long-term goal of 100% perimeter security. These Axis cameras selected proved ideal for delivering HD quality images both inside all school buildings, around those buildings and at our gates. Axis’ open architecture has enabled us to integrate with existing gate controllers and an ANPR client to match staff number plates with our vehicle database records. Integration with Milestone XProtect gives our receptionist the ability to check visitors buzzing through on the door intercom and let them in once visual checks have been carried out. The result is that we’ve had no costly breaches of security during construction or incidents of theft since the new cameras were installed.”**

**Umesh Chapaneri, Head of Technical Support Services, Lady Eleanor Holles School.**

The Lady Eleanor Holles School in Hampton near London, is one of the oldest and most highly regarded independent girl's schools in the UK. It has a student body of 860 girls aged 7 to 18. The school stands on a 24-acre site close to the River Thames. The large grounds have enabled it to expand its facilities and buildings considerably over the years.

The school's technical support services department called in Axis partner Kent CCTV & Data Limited to tighten security around the school's perimeter during construction of a new 120,000 square foot building. The brief was to provide HD quality coverage of all entrances and exits, areas around all buildings as well as barriers and gates to the access road. A site survey and review of floor plans of the new building revealed an area of vulnerability on the first floor where a number of Apple iMacs were to be made available for use in an open area. Additional coverage was also found to be needed in a wide corridor within the new music department offering open-racked storage of large musical instruments close to a fire exit.

Kent CCTV & Data Limited set to work to deploy a total of 22 new Axis cameras including AXIS P3365-V Dome Network Cameras fitted inside, and AXIS P3365-VE domes outside, the new building. The outdoor cameras were selected to offer 24-hour coverage using in-built Lightfinder technology which delivers full HDTV 1080p high quality colour images during the day and in near-dark conditions. The camera's P-iris control and 3.3-12mm (F1.4) varifocal P-iris lens and 82-24 degree-wide horizontal viewing angle, provides optimal depth of view and clarity even when fully zoomed.

AXIS P3365-VE Network Cameras were also deployed at the New Hall Gate nearest the new building covering both the pedestrian and main gate, completing coverage of the school's entrances. All new cameras provide full HD resolution quality images, at least 25 frames per second on-motion and are powered via Power over Ethernet to reduce installation costs considerably and minimise cabling around the site.

Gates are served with 1 Gigabit/s fibre cabling. Gate-fitted cameras were enhanced by uploading Automatic

Number Plate Recognition (ANPR) software into them and then integrating them with the gate controller and client software to enable pre-registered vehicles to pass through both gates without additional verification.

A total of 42 Axis cameras had previously been deployed to cover all other buildings and the other gate that is in use. These include an AXIS P1347-E Network Camera. This 5 megapixel camera provides excellent images covering all vehicles in the school's largest car park. AXIS P3346 and AXIS P3304 cover the corridors, entrances and exits of the original buildings. A total of 64 Axis cameras are now deployed site-wide.

All cameras are networked with two virtual servers which together hold 31 days of recorded images, currently requiring a maximum of 16 Terabytes (TB) of storage space. Milestone XProtect Enterprise 2014 manages and provides easy access to images which are viewed from the school receptionist's desk PC and from the head of technical support services' workstation. Milestone Mobile extends access to images from cameras to the school's caretaker who monitors the school outside teaching hours. The school's head of technical support services is also able to access live and recorded images remotely if a problem is reported.

Umesh Chapaneri, Head of Technical Support Services, Lady Eleanor Holles School said: “When we had two incidents of network outage overnight I was able to check video recordings remotely, find images of foxes chewing through new fibre optic cabling on our swimming pool's roof and take action to stop them getting access to the cables in the future.

“The truth is the system is so simple you just don't think about it anymore. If authorised members of staff want to review a reported security incident we know we can find the relevant recording sequence swiftly now. When we do (find it), we know that it will be of sufficient quality to identify the individuals involved and pass the images onto the police. Before we went to 100% perimeter security we would get occasional trespassing incidents. Now we know we have the means to stop them at the gate.”



**Kent CCTV & Data Limited**

