

Case Study/City of Lincoln Council



- + **Customer** City of Lincoln Council
- + **Location** Lincoln, UK
- + **Requirement** City Centre IP CCTV solution with analytics
- + **Equipment** Dahua cameras and monitors

“The Dahua system implemented by Videcom Security provides the main elements of our tier 1 solution. The police love the system and we’ve had very positive feedback from them. There is really no comparison from how we operated previously to how we can now. It revolutionises how we operate and the potential for what we can achieve going forward is remarkable”.

Martin Byrne, Lincoln City Council

The City of Lincoln is currently undergoing many high impact revitalisation projects under their Vision2020 banner, CCTV is one of the top 20 projects to be completed by the end of the decade.

The Requirement.

The council wanted to update their ageing analogue CCTV system with the latest generation HD IP CCTV system to provide greatly enhance display capabilities. Part of that requirement was a city centre CCTV solution with analytics. One which would help the city to prevent and reduce the number of fights and level of violence.

Sourcing a Partner.

Following a lengthy competitive tender process Videcom Security were chosen for this project.

Videcom Security is one of the country's leading national CCTV installation and maintenance companies with their head office in the historic town of Waltham Abbey, Essex. Videcom Security specialise in large multisite town and city centre public safety CCTV systems and already had a strong presence throughout Lincolnshire having worked on many similar installations.

The Right Product.

Working closely with the City of Lincoln project team Videcom Security chose a Dahua Technology solution incorporating cameras and monitors.

Dahua Technology is a world leader in video surveillance manufacturing. They create advanced electronic security solutions for a wide variety of commercial markets worldwide. Dahua Technology have a keen focus on innovation and invest heavily in research and development each year to ensure the products available meet the demands of its users.

Dahua products were chosen for key elements of this project based on their performance and their cost effectiveness allowing budgets to be met. Combined with extended warranties the Dahua cameras offered all the features required by Lincoln City Council.

Videcom Security is also a certified Dahua Integration Partner, which was delivered by the Mayflex Academy at the Mayflex HQ in Birmingham. This meant that Videcom Security were able to negotiate vital firmware enhancements which enabled many of the analytical features available in each of the cameras.

Design and Installation.

A mixture of fixed and PTZ cameras have been deployed over a new 1 Gb duplex resilient network, which was also installed by Videcom Security. The Dahua cameras installed are all H.265 capable devices which offer a significant reduction in bandwidth and storage requirements. This has allowed for multiple cameras to be installed in place of just one existing analogue camera. Providing up to 28 Megapixels of CCTV coverage where previously this was less than 4000 pixels of coverage per location.

Cameras from the Dahua Pro Series were installed, which feature powerful optical zoom and accurate pan/tilt/zoom performance. This camera provides excellent low light performance due to adopting the latest starlight technology. In most conditions, it can deliver clear, bright and low-noise colour images.

Bullet cameras from the Ultra Series were also installed, which utilise Dahua advanced software algorithms, which are able to support people counting and heat mapping. IP67, IK10 and heater compliance enables the product to be applied in a harsh environment.

Dahua PoE switches have also been installed to provide the PoE power to cameras which are then connected to a level 2 managed network. The new Dahua cameras were installed onto existing camera columns and buildings.

The new video wall consisting of ten 49" 4K Ultra HD Dahua monitors were installed into a fully refurbished control room. These monitors come with an industrial level DID LCD panel, suitable for extensive 24 x 7 surveillance monitoring.



The Result.

The new CCTV system has over 300 cameras operating, the majority of which are Dahua Technology products. All cameras are fully integrated within the city centre CCTV control room helping to deliver a safer and smarter city which is already proving to be a great benefit to the police and other agencies.

“Working with the Dahua product range has been great. The products have proved to be reliable and we have experienced very few problems from the initial configuration through to installation and commissioning”.

“Mayflex has been a great help through the whole project ensuring stock was available for delivery when required allowing us to complete the project within the set timescales. Our business relationship manager played a key role in facilitating this as well as maintaining an excellent after sales service. I am delighted to say that the whole project went to plan from start to finish.”

Bill Mead, Director, Videcom Security



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About Videcom Security.



Videcom are a national IP CCTV systems integration and wireless network installer, working primarily in London, the Home Counties, Eastern England, Cambridgeshire, Lincolnshire and East Yorkshire.

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