

Innovative self-storage business offers secure unmanned environment 24-7.

Axis helps Orange Box to develop a state-of-the-art surveillance system for unrivalled security.



Organization:

Orange Box Self Storage Ltd.

Location:

Sunderland, UK

Industry segment:

Commercial

Application:

Safety and security, loss prevention

Axis partner:

2020 Vision Systems Ltd.

Mission

Orange Box Self Storage Ltd (Orange Box) is a modern storage facility based in Sunderland. The 2 acre outdoor site is home to 165 bright orange coloured newbuild steel containers. These weatherproof containers offer clean, dry and secure storage to a wide range of customers; both domestic and commercial.

When redeveloping the site, Orange Box was looking to include a state-of-the-art automated access and surveillance system that would eliminate the need to provide 24/7 manned security, and reduce expensive lighting costs from continued use while the site was unoccupied.

Solution

Orange Box turned to Axis partner, 2020 Vision Systems, to create the integrated security system designed around AXIS Camera Companion. AXIS P33 Series Network Cameras were selected for their clear picture quality and broad field of view, with the ability to span this extensive outdoor site.

The solution also provides the ability for remote monitoring when the site is unmanned plus link with efficient automated LED lighting to reduce lighting costs.

Result

The Axis solution specified and installed by 2020 Vision Systems has provided Orange Box with a reliable, highly advanced surveillance system that can be accessed and monitored 24/7 both on and off-site. It also enables the site itself to be securely accessed by customers at all times, giving them the reassurance that the site has the state-of-the-art security in place for their safety and convenience.

“I am extremely impressed with the quality of the surveillance system, the broad view of the cameras in place ensures we have 100% coverage of every single aisle.”

Carl Hedley, director, Orange Box Self Storage Ltd.

A secure and cost-effective environment

Orange Box Self Storage Ltd is a modern storage facility which offers customers space to contain personal possessions or business stock in a safe and secure location with the added benefit of round the clock access. Traditionally, in order to offer this service, a site would have to be manned 24/7 with CCTV coverage and comprehensive lighting switched on throughout the hours of darkness.

Forward-thinking Orange Box was looking for a solution that could provide it with a reliable, fully automated access and monitoring system, enabling it to save on man power and lighting costs throughout the night and at weekends, whilst maintaining full safe access to its customers.

The team at 2020 Vision Systems Ltd recommended a solution built around AXIS Camera Companion to provide the scalability to increase the number of cameras, if required on site, plus the ability to monitor on-site activity remotely.

100% coverage

2020 Vision Systems designed a system consisting of 11 AXIS P3364-LVE HDTV cameras with 64GB storage, providing 100% visibility across the site. The cameras were integrated during the construction of the new site. One AXIS P3364-LVE was mounted on a container positioned in view of the site's automatic barriers, providing vehicle and driver identification and controlling traffic flow during opening hours via the electronic entry gates.

A further ten cameras are column mounted throughout the site to ensure all container aisles are monitored. An AXIS Q6035-E PTZ Dome Network Camera was mounted on the new office building close to the site's entrance. Using the gatekeeper function, the tamper resistant camera provides a 360° field of view of the entrance and can track customers' journeys from the entrance to the container aisles.

After dark, the cameras use video motion detection to control the site's LED lighting, which is only switched on when a person is detected and only in the areas required. This greatly reduces light pollution and the operational carbon footprint.

Carl Hedley, director at Orange Box Self Storage Ltd, said: "Our site has 100% coverage from our surveillance system. Every single aisle is covered. The built-in motion detection triggers in all the Axis cameras ensures everyone who enters our site, regardless of time, is recorded. They are also linked to our economical LED lighting system, which is triggered to light a customer's path to their container out of hours. This is significantly more reliable and cost effective than a 24/7 manned site – meaning we can pass these savings onto our customers."

Reliable and future-proof

AXIS Camera Companion delivers crisp, clear HDTV image quality, for reliable identification of people and incidents. It is easy to access the system over the Internet to view live or recorded video from home or from another site. With its PC client, as well as viewing apps for iPhone, iPad and Android, AXIS Camera Companion provides incident alerts for Orange Box directors to view at any time – from anywhere.

The final bespoke system design has the scalability to grow alongside the company. A reliable, high quality advanced surveillance system that can be accessed and monitored remotely 24/7 provides the company with the control it needs, whilst significantly reducing costs. Carl said: "The system allows us to offer our customers the greatest flexibility with 24/7 access coupled with the reassurance that our site is secure at all times. I am extremely impressed with the quality of the surveillance system, the broad view of the cameras in place ensures we have 100% coverage of every single aisle."

