

Tyco Illustra Flex range strengthened with 8 new NDAA compliant cameras



By Tyco

Johnson Controls launches new 3MP and 8MP Illustra Flex Gen3 cameras

Johnson Controls, the global leader for smart, healthy and sustainable buildings and architect of the OpenBlue digital platforms, has announced the introduction of 8 additions to its popular Tyco Illustra Flex camera series.

With enhanced image processing, improved low-light capability and secure boot protection against cyber-attacks, the new NDAA compliant

Illustra Flex Gen3 cameras are designed to provide high performance and yet cost-effective solutions for virtually any video surveillance application from small offices and shops, through to airports, car parks, sports stadia, education campuses and healthcare facilities.

With a small footprint, the aesthetically attractive Illustra Flex Gen3 3- and 8-megapixel (4K)

cameras provide a choice of bullet, outdoor mini-dome and compact mini-dome camera formats, with the new 3-megapixel models superseding existing Gen2 3-megapixel Illustra Flex cameras.



The 4K models, which are equipped with a built-in suite of intelligent video analytics to enhance situational awareness and assist security personnel to react quickly to any suspicious activity, as well as facilitate exception reporting, are intended to complement the existing and highly successful 4K Flex Gen2 cameras.

The compact and external cameras are equipped with built-in adaptive IR illuminators, which enable them to capture crisp, clear images day or night, regardless of the lighting conditions, up to a distance of 40 metres.

Unique, powerful technology delivers cost savings and resilience

The Illustra IntelliZip video compression incorporated into the new Flex Gen3 cameras substantially reduces bandwidth requirements and storage costs normally associated with high camera count video surveillance applications. Taking into account the scene complexity, it achieves this by optimising the bitrate and as such, enhances H.264 and H.265 streaming parameters.

The Flex Gen3 cameras are also supported by VideoEdge® TrickleStor and exaQVision backfill, which enables video recording to continue at the edge should there be disruption to the network. Should communication between one of the cameras and an Exacq or VideoEdge® NVR be interrupted, the cameras will detect the anomaly and automatically begin recording video onto an SD card. This video is transferred from the SD card to the NVR's hard drive for seamless viewing as soon as connection with the network is restored.

Other key features incorporated into all 8 new cameras include:

- P-Iris lens ensures sharp images and improved depth of field
- True Wide Dynamic Range (WDR) which delivers clear images captured from scenes which might contain bright and dark areas, such as the entrances to retail stores
- Tamper, dark image, bright light and blur detection
- Motion detection for instant intruder alerts
- Audio in/audio out support
- Video Edge and exacq compatibility via Illustra iAPI3

- ONVIF Profile S compliance provides compatibility with third-party recorders

In addition, the suite of intelligent video analytics built into the 8MP models includes abandoned/removed objects, direction, dwell, perimeter, queue, and crowd detection.

Installer Friendly

The new Illustra Flex Gen3 cameras are equipped with a long list of installer friendly and practical features which help reduce installation time and cost. These include, for example, removable Ethernet connections to enable engineers from the convenience of their workshops, to prefigure IP network settings without the need to remove the camera from its packaging.

Camera settings, such as field of view and focus, can be configured without the need for a network connection via an optional dongle and Wi-Fi, whilst selected Illustra Flex Gen3 cameras are also equipped with auto-focus and a motorised varifocal lens to help minimise installation time.

The cameras are supplied with an RJ45 adapter, enabling pre-terminated network cables to be used and removing the need to re-crimp cable ends.

The low PoE (>15.4W) power requirements of the cameras mean additional cost savings can be achieved by the use of switches which are more cost-effective compared to the switches normally needed to support PoE+ cameras.

Cyber Secure

The new Flex Gen3 cameras are National Defense Authorization (NDAA) compliant, a key requirement for many video surveillance projects involving multi-national companies. Consultants, system designers and systems integrators can also be assured that the cameras have been designed and built in-line with the rigorous standards of the Tyco Cyber Protection Product Security Program. **ANS**