Illustra Pro Gen4

20MP & 32MP Motorized Multisensor

Date   June 2022
Region   NA, EMEA, APAC
Product   Pro Gen4 Multisensor
Brand   Illustra

Johnson Controls has added a new multisensor camera to its Illustra Pro camera range.

Omni-Directional, High-Resolution Coverage

The Illustra Pro Multisensor cameras are designed to provide complete coverage with a lower total cost of ownership (TCO) when compared to the use of multiple cameras. The Multisensor cameras are equipped with deep learning AI and the ability to accurately classify many human and vehicle targets within a scene. An expansive list of subclassification and object attribute capabilities for each sensor provides real time alerts and forensic search capabilities that are unparalleled in the industry.

Cost-Effective, High-Quality Images

Available in 20MP and 32MP models, the Illustra Pro Multisensor cameras push the boundaries of image quality at low bandwidth in low light and challenging conditions with superior WDR, defog and built-in IR illuminators {up to 98 ft (30m) functionality}. Four motorized, individually repositionable varifocal lenses utilizing one network connection and one camera license means a drastically lower cost of deployment. All fourth generation Illustra Pro cameras can store up to 2TB of encrypted data per SD card slot.

Edge Intelligence Driven by Deep Learning AI

Illustra Pro cameras are powered by the rise of intelligence at the edge. With built-in AI based object classification, events can be narrowed to classes such as person, car, bus, motorcycle and more. Forensic searches become more accurate and situational awareness more automated with fewer missed incidences and false alarms. Choose from a variety of analytic rules to customize the solution that will be most beneficial to your business and begin gathering transformative data instantly.

Safeguard Against Cyber Attacks Across Devices

Illustra Pro cameras have been designed to be resilient against cyber threats. Our products are gated, analyzed, tested and required to meet and exceed the rigorous standards of the Johnson Controls Cyber Solutions Product Security Program for every release. This holistic approach is aimed at providing peace of mind to our customers. Our security mindset begins at initial design concept and is supported through deployment, including a rapid incident response to meet the comprehensive and evolving cybersecurity environments.

Feature	Benefit	Value
20MP & 32MP resolution	Ultra high resolution images to meet variety of needs and requirements	Provides high quality images during live viewing and also suitable for forensic search by providing more information during digital zoom on recorded videos.
Built in deep learning AI (Quad Edge AI)	With Edge AI, the multisensor camera can provide real time alerts and forensic search capabilities independently for each sensor.	Ability to accurately classify up to 30 objects simultaneously per sensor. Object class includes many human and vehicle targets within the scene.
Remotely repositionable lens and 360°coverage	Four motorized repositionable lenses to focus in multiple directions and provide 360 deg coverage	Single camera with one network cable and one VMS license will provide complete 360 degree coverage which would otherwise require multiple fixed cameras, cabling and licenses. Each lens can be adjusted to focus on area of interest based on site requirements.
Increased IR distance	Allows image capture in low to zero light settings upto 98ft (30m) range	Provides a clear and crisp image even when there is no ambient light
TrickleStor (Backfill)	Provides edge-based failover redundancy via encrypted video.	Protect from loss of recording during a network outage – backfill the recorder once communication is restored.
Fully encrypted end-to-end data encryption	Data from cameras to recording server and SD card are fully encrypted	Security of data is of the utmost importance to protect the privacy of individuals. Even if data is stolen or misplaced, encrypted data has very low risk of being misused.
Improved operational tolerances for extreme conditions	Can be deployed in varied regions and conditions	With operating temperature of –40C (–40F) to +55C (131F), cameras can be deployed in almost all regions, be it colder regions of NA or hotter regions in ME without affecting the high quality of images.

Ordering Information

Model Numbers	Description
IPR20-M12-OIA4	Illustra Pro Gen4 20MP (5MP x4) Multisensor, 2.7-13.5mm, Edge AI, TDN w/IR, TWDR, PTRZ, IP66, IK10, Quad SDXC
IPR32-M13-OIA4	Illustra Pro Gen4 32MP (8MP x4) Multisensor, 3.6-11mm, Edge AI, TDN w/IR, TWDR, PTRZ, IP66, IK10, Quad SDXC

Accessories

Model Numbers	Description
IBPN-M-IS12-A	Illustra Pro Gen4 Multisensor Pendant Cap
IBCR-M-ISWT-A	Illustra Pro Gen4 Multisensor Recessed Ceiling Mount (future release)
IA-CON-34-P4M	Illustra Pro Gen4 Multisensor Conduit Adapter
IBCT-M-IS-A	Illustra Pro Gen4 Multisensor Ceiling Tile
RHOLW	Wall Mount, 1 1/2" NPT, long (23") (use with IBPN-M-IS12-A), white
RHOSW	Wall Mount, 1 1/2" NPT, short (11") (use with IBPN-M-IS12-A), white
ROENDC	End cap for RHOxW mounts
RHOTR	Over roof mount, 1 1/2" NPT, white
ROTRF	Floor Adapter (use with RHOTR)
RHOWCA	Corner Adapter (use with RHOxW and IBPN-M-IS12-A)
RHOWPA	Pole Adapter (use with RHOxW and IBPN-M-IS12-A)

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IA-POE-90-U00	90w PoE Injector
IA-POE-90-U00-EU	90w PoE Injector, EU power plug
IA-KIT-WD-UUA	Illustra WiFi Dongle Kit

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Technical Support and Order Entry	North America: +1-800-507-6268 | Alt Phone: +1-800-392-2873 Email: ades@tycosp.com | Hours of Operation: 8:00 a.m. to 8:00 p.m. EST
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