

Pro Gen4

Indoor 2MP & 8MP (4K) PTZ



Key Features

- Object classification combined with event rules to pinpoint forensic searches or trigger events
- Large zoom capacity to identify important features at a greater distance
- Auto-tracking based upon face or person detection
- True WDR and Day/Night function for 24/7 use and deployment in variable lighting conditions
- Advanced analytics on-board, such as Object Removed, Queue Formation, Loitering and more
- Fast and accurate reaction to events with a Pant/Tilt Speed of up to 700°/sec and a preset accuracy of <math><0.1^\circ</math>

Maintain Control and Detail with a Responsive, Accurate PTZ

The exceptional speed and silence of the Illustra Pro PTZ coupled with ultra-low latency performance gives security personnel the ability to accurately track subjects in mission critical applications. The camera employs zoom-adjusted program technology to automatically control the pan and tilt speed in proportion to the amount of zoom used, delivering precise pan and tilt control. Using programmed presets and tours, the Illustra Pro PTZ moves into position at up to 700° per second.

Safeguard Against Cyber Attacks Across Devices

Illustra Pro Cameras have been designed to be resilient against cyber-threats. Our products are gated, analysed, tested and required to meet or exceed the rigorous standards of the Johnson Controls Cyber Solutions Product Security Program for every consecutive 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.

Situational Awareness with AI and Analytics

Building intelligence in to the camera, such as Object Classification can reduce the burden on the operators to review, or view live, vast amounts of video footage. The rule based AI can be used to effectively reduce the amount of video presented to an operator so they can concentrate on the important and critical situations.

Achieve Clarity Despite Challenging Scene and Lighting Conditions

With up to a 30X zoom capability, True Day/Night and WDR functionality, the illustra Pro 4 PTZ can be deployed in a variety of situations where light or distance can be a challenge, such as inside warehouses, department stores and shopping malls.



Specifications

Operational	2MP	8MP (4K)
Imager	Sony 1/2.8" CMOS Imager	Sony 1/1.8" CMOS Imager
Video Compression	H.264 / H.265 / MJPEG / IntelliZip	
Configurable Streams	Quad Streaming	
Max Frame Rate	2MP@60fps	8MP@30fps
Resolution & Aspect Ratio	1920 x 1080, 1664 x 936, 1280 x 720 1024 x 576, 960 x 544, 816 x 464 640 x 360, 480 x 272, 640 x 368	3840 x 2160, 3264 x 1840, 2688 x 1520 1920 x 1080, 1664 x 936, 1280 x 720 1024 x 576, 960 x 544, 816 x 464 640 x 360, 480 x 272, 640 x 368
Bitrate Control	CBR, VBR, CVBR	
Lens Type	Varifocal Lens, DC-Iris, IR Corrected	
Image Stabilisation	Electronic Image Stabilisation (Future Release)	Electronic Image Stabilisation (Future Release)
Focus Control	Continuous Auto Focus, Manual Focus	
Aperture	F/1.6(W) ~ F/4.4(T)	F/1.5(W) ~ F/3.4(T)
Minimum Illumination Color	0.013 lux	0.004 lux
Minimum Illumination BW	0.0035 lux	0.015 lux
Wide Dynamic Range	True multi-shutter WDR 126dB, Off / Smart WDR / True WDR 2x / True WDR 3x	
Day/Night	TDN CF removal	
Picture Settings	Auto Exposure: Multiple Profiles (incl Auto, Gaming, LPR), Multiple ROI (incl AI ROI: Object, Person, Face), Gain Control (Auto, Max, Manual), Flickerless White Balance: Auto Normal, Auto Wide, Manual	
Shutter Speed	≥ 1/10,000 to 1/4 s	
Smart Defog	Supported	
Privacy Zones	10	
ONVIF Conformance	Profile S, G, M, T	
Alarm Input/Output	2/2	
Audio	Bi-directional; 1 input, 1 output, Built-in Mic	
PTZ Operational		
Optical Zoom	30x Optical Zoom, 12x Digital	22x Optical Zoom, 12x Digital
Focal Length Range	4.5-135 mm	6.4-139 mm
Field of View (H/V)	Wide Angle: 60°/37° Telephoto: 5°/3°	Wide Angle: 61.9°/36.2° Telephoto: 3.4°/1.7°
Pan Travel	360° Continuous	
Tilt Travel	0° to -90°	
Manual Continuous Speed	< 0.25° to 100°/s scaled in proportion to zoom position	
Preset Accuracy	< 0.1 degree	
Preset Speed	700°/sec (Typical: 465°/sec), 0.5sec Move Time	
Presets	300	
Sequences	96	
Pattern	16	
Home Function	Yes	
Auto Flip	Yes	
Analytics		
AI Face Detection	Supported	

AI Object Classification	Classes: Person, Bicycle, Bus, Car, Motorbike, Train, Truck, Cart, Backpack, Handbag, Suitcase, Any Class Rules: Object Detected, Perimeter, Linger, Dwell, Abandoned/Removed, Enter, Exit, Crowd, Queue Sub-classes: Person Clothing Color, Vehicle Color
AI Tamper Detection	Blackout, Whiteout, Scene Change (FoV tamper)
AI Blur Detection	Supported
AI Metadata	Supported
AI Object Tracking	Face, Person (including Intelligent guard tour)
Motion Detection	Supported
Network	
Ethernet Interface	IEEE 802.3, 10/100/1000Base-T Ethernet, RJ45, auto sensing
Supported Protocols	TCP/IP, IPv4, IPv6, TCP, UDP, HTTP, FTP, DHCP, WS-Discovery, DNS, DDNS, RTP, RTCP, RTSP, TLS, Unicast (10 users), Multicast (unlimited users), NTP, ICMP, IGMP, SMTP, WS-Security, IEEE 802.1x, PEAP, EAP-TLS, EAPoL, SSH, HTTPS, SOAP, WSAddressing, CIFS, SNMP, UPNP™, RTSP, LLDP, Hostname configuration
Encrypted Video Streaming	Yes via HTTPS
Configuration Management	
Web Browser	IE 10, 11, Firefox, Chrome
Security	Secure Boot, Enhanced Security Mode (forces complex passwords, HTTPS and disables discovery); TLS 1.2 (256 bit cipher minimum); Security Overview Page (status and configuration); RTSP Authentication; IEEE 802.1X Client; Remote Accessible Audit logs; Role-based Access Control; SD card encryption; Brute force delay protection; Second user login notification
Onboard Storage	
Card Support	Built-in Micro SDXC slot up to 2TB per slot; Card not included
Pre-Alarm Recording	Yes
Recording Format	mp4
Encrypted Storage	Yes
Recording Trigger	Dry Contact Alarms, Motion Detection, Face Detection, Video Intelligence, AI Object Classification, Periodic Events
TrickleStor	Yes, encrypted storage
Electrical	
Power Input	802.3at PoE+ Type 2 (30W), PoE Injector IA-POE-90-U00 recommended
Voltage	22 to 30 VAC, Class 2 LP 72W
Surge Protection	6KV contact 8KV air
Physical	
Dimensions (RxHxW)	Ø8.03 x 13.74 in (Ø204 x 349 mm)
Weight	4KG (8.8 lbs), 5.4 kg (11.9lbs) with pendant cap
Housing Color	RAL 9003 - Signal White
Operating Temperature	-14°F to +140°F (-10°C to +60°C)
Storage Temperature	-40°F to 149°F (-40°C to +65°C)
Humidity	Up to 95% RH Non-Condensing
Vandal Resistant	IK10
Analogue out	2-pin analog video out service port
Regulatory	
Emissions	FCC Part 15 Class A; CE EN55032 Class A; AS/NZS CISPR 32 Class A; ICES-003/NMB-003 Class A
Immunity	EN50130-4; EN61000-6-1
Safety	UL60950-1 /UL62368/UL60950-22; IEC 60950-1/62368/60950-22; CSA 22.2 No. 60950/62368; CE: EN60950-1 / EN62368 / EN60950-22; UL 50 (Type 4X); EN60529 (IP66/67)
Environment	RoHS; REACH; WEEE
NDA & TAA Compliant	Yes
Warranty	5 Year Warranty

Accessories

Accessory Type	Image	Model Number	Description	Dimensions	Color
Pendant Housing		IAPN-P-IS12-0	Illustra Pro Gen4 Indoor PTZ Pendant Housing	N/A	RAL 9003
Wall Mount		RHOSW	Short wall mount with end cap. For use with RHOWPA pole strap adapter, RHOWCA corner bracket adapter and used with IAPN-P-IS12-0 Pendant Cap	With Dome Installed 14 x 9 x 11 in (366 x 218 x 282 mm)	RAL 9003
Wall Mount		RHOLW	Long wall mount with end cap and used with IAPN-P-IS12-0 Pendant Cap	With Dome Installed 14 x 9 x 23 in (366 x 218 x 587 mm)	RAL 9003
Corner Bracket Adapter		RHOWCA	Enables long and short wall mounts (RHOSW and RHOLW) to affix to outside corners	7 x 8 x 5 in (185 x 210 x 125 mm)	RAL 9003
Pole Strap Adapter		RHOWPA	Enables RHOSW and RHOLW to affix to poles	Straps Support: 5 x 3 x 1 in (138 x 79 x 27 mm) Pole Diameter: 2 to 38 in (53 to 951 mm)	RAL 9003
End Cap Assembly		ROENDC	Indoor/outdoor head adapter mount used with IAPN-P-IS12-0 Pendant Cap	3 x 4 x 8 in (64 x 103 x 194 mm)	RAL 9003
Clear Bubble		IA-BBL-CV-P40	Additional Clear Bubble for the Pro Gen4 Indoor PTZ camera	N/A	RAL 9003 Clear
Smoked Bubble		IA-BBL-SV-P40	Additional Smoked Bubble for the Pro Gen4 Indoor PTZ camera	N/A	RAL 9003 Smoked
Pendant Mount		RHOPN	Indoor/Outdoor mount to be hung from a 1.25" diameter drop rod (not included)	N/A	RAL 9003 Metal
Beam Clamp		RHIUIB	Clamp to an I-Beam for the RHOPN Pendant Mount	N/A	Black

PoE Injector		IA-POE-90-U00	90W PoE Midspan, compatible with both the indoor and outdoor Pro 4 PTZ cameras. Comes with a US power lead	3.307" x 3.15" x 0.984" 84 x 80 x 25 mm	Black
PoE Injector		IA-POE-90-U00-EU	90W PoE Midspan, compatible with both the indoor and outdoor Pro 4 PTZ cameras. Comes with a UK & EU power lead	3.307" x 3.15" x 0.984" 84 x 80 x 25 mm	Black

Ordering Information

Model Numbers	Description
IPS02-P07-RT04	Illustra Pro Gen4 2MP PTZ, 30x, Edge AI, TDN, TWDR, Indoor, Vandal, Smoked Bubble, White
IPS08-P25-RT04	Illustra Pro Gen4 8MP (4K) PTZ, 22x, Edge AI, TDN, TWDR, Indoor, Vandal, Smoked Bubble, White

Specifications are subject to amendment without notification

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