

Pro Gen4 Outdoor 2MP & 8MP(4K) PTZ



Key Features

- AI Object classification combined with event rules to pinpoint forensic searches or trigger events
- Large zoom capacity to identify important features at a greater distance
- Rain dispersion for a clear image
- Auto-tracking based upon face or person detection
- Image stabilisation for clarity of image at large zoom setting
- True Day/Night and an IR distance up to 200M
- Encrypted, end to end, video streaming for protection of video

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.

Achieve Clarity Despite Challenging Scene and Lighting Conditions

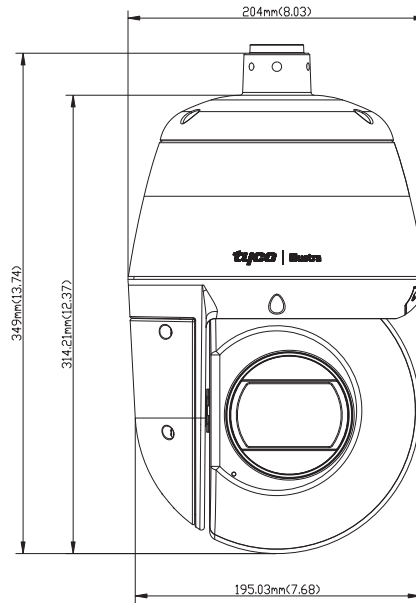
The Illustra Pro Gen 4 PTZ is designed to provide a suite of benefits to enable operators to benefit from better situational awareness and to respond more quickly to potential threats or situations. Leveraging the latest chip technology, the camera has inbuilt Automated Intelligent (AI) analytics such as person and object identification which also can be used for automated tracking.

Specifications

Operational	2MP	8MP (4K)
Imager	CMOS 1/1.8"	CMOS 1/2.8"
Video Compression	H.264 / H.265 / MJPEG / IntelliZip	
Configurable Streams	Quad Streaming	
Max Frame Rate	2MP@60fps	8MP@30fps/ 2MP@60fps
Resolution & Aspect Ratio	1920 x 1080, 1664 x 936, 1280 x 720	3840 x 2160, 3264 x 1840, 2688 x 1520
	1024 x 576, 960 x 544, 816 x 464	1920 x 1080, 1664 x 936, 1280 x 720
	640 x 360, 480 x 272, 640 x 368	1024 x 576, 960 x 544, 816 x 464
		640 x 360, 480 x 272, 640 x 368
Lens Type	Varifocal Lens, DC-Iris, IR Corrected	
Image Stabilisation	Optical Image Stabilisation	Electronic Image Stabilisation (Future Release)
Focus Control	Motorized,One-touch Auto Focus, Manual Focus	
Aperture	F/1.8(W) ~ F/6.5(T)	F/1.5(W) ~ F/3.4(T)
Minimum Illumination Color	0.015 lux	0.06 lux
Minimum Illumination BW	0.0035 lux	0.015 lux
Wide Dynamic Range	True multi shutter WDR 126dB, Off / Smart WDR / True WDR2x / True WDR 3x	
Noise Reduction	Digital Noise Reduction 2D and 3D	
Day/Night	TDN CF removal	
IR Illuminator / Distance	850nm / Up to 656' (200m)	850nm / Up to 492' (150m)
Day/Night	TDN CF removal	
Shutter Speed	≥ 1/10,000 to 1/4 s	
Motion Detection	Yes	
Privacy Zones	8	
Video Intelligence	Linger, Exit, Direction, Abandoned/Removed objects, Queue, Dwell, Enter, Object detection, Crowd, Perimeter	
Object Classification	Person, Bicycle, Bus, Car, Motorbike	
Onvif	Profile S	
Blur Detection	Yes	
Face Detection	Yes	
Intelligent Guard Tour	Face, Person	
Alarms Input/Output	2/2	
Audio	G.711, Bi-directional; 1 input, 1 output	
PTZ Operational		
Optical Zoom	42x Optical Zoom, 12x Digital	22x Optical Zoom, 12x Digital
Focal Length Range	7-295 mm	6-132 mm
Field of View (H/V)	Wide Angle: 43°/24° Telephoto: 1.6°/0.9°	Wide Angle: 61.9°/36.2° Telephoto: 3.4°/1.7°
Pan Travel	360° Continuous	
Tilt Travel	+15° 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	256	
Sequences	96	
Pattern	16	
Home Function	Yes	
Auto Flip	Yes	

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, Multicast, NTP, ICMP, IGMP, SMTP, WS-Security, IEEE 802.1x, PEAP, EAP-TLS, EAPoL, SSH, HTTPS, SOAP, WSAddressing, CIFS, SNMP, UPNP™, RTSP, LLDP
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 and SD card encryption
Onboard Storage	
Card Support	Micro SD/SDHC/SDXC card slot, up to 512GB
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	802.3bt Type 4 (90W)
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	7kg (15.4 lbs.) Shipping Weight 9.8 kg (21.6 lbs)
Housing Color	RAL 9003 - Signal White
Operating Temperature	-58°F to 140°F (-50°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
Outdoor Rating	IP66
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
NDAA	Yes

Outdoor Pro Gen4 PTZ



Accessories

Accessory Type	Image	Model Number	Description	Dimensions	Color
Wall Mount		RHOSW	Short wall mount with end cap. For use with RHOWPA pole strap adapter and RHOWCA corner bracket adapter	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	With Dome Installed 14 x 9 x 23 in (366 x 218 x 587 mm)	RAL 9003
Over the Roof Mount		RHOTR	Affixes directly to vertical roof wall or parapet, positions dome away from wall	43 x 10 x 19 in (1098 x 243 x 473 mm)	RAL 9003
Over the Roof Floor Mount		ROTRF	Enables RHOTR over-the-roof mount to be installed on horizontal and vertical roof/parapet surfaces	15 x 10 x 10 in (369 x 240 x 240 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	3 x 4 x 8 in (64 x 103 x 194 mm)	RAL 9003

Ordering Information

Model Numbers	Description
IPS02-P24-OI04	Illustra Pro PTZ 2MP Gen4, Outdoor, 42x Optical Zoom, 12 Digital Zoom, True D/N with IR, True WDR, IK10, IP66 PoE 802.3bt Type4/22-30VAC
IPS08-P25-OI04	Illustra Pro PTZ 8MP Gen4, Outdoor, 22x Optical Zoom, 12 Digital Zoom, True D/N with IR, True WDR, IK10, IP66 PoE 802.3bt Type4/22-30VAC

Accessories

Model Numbers	Description
Outdoor Mounting Options	
RHOSW	Short Wall Mount with End Cap
RHOLW	Long Wall Mount with End Cap
RHOTR	Over the Roof Mount
Outdoor Adapter Options	
ROTRF	Over the Roof Floor Mount
RHOWCA	Corner Bracket Adapter
RHOWPA	Pole Strap
ROENDC	End Cap Assembly
Power	
IA-POE-90-U00	95W PoE Injector
IA-POE-90-U00EU	95W PoE Injector EU (EMEA)

Specifications are subject to amendment without notification

About Johnson Controls

Johnson Controls is a global diversified technology and multi-industrial leader serving a wide range of customers in more than 150 countries. Our 120,000 employees create intelligent buildings, efficient energy solutions, integrated infrastructure and next generation transportation systems that work seamlessly together to deliver on the promise of smart cities and communities. Our commitment to sustainability dates back to our roots in 1885, with the invention of the first electric room thermostat.

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