Illustra Pro Gen4
2MP, 4MP, 8MP Mini-Dome

Key Features

- Built in AI delivers accurate object classification, powerful situational awareness and security automation.
- Integrated recessed mount, backbox, a range of IO options including Micro HDMI plus WiFi configuration via the Illustra Tools App
- Exposure profile settings allow the mini-dome to adapt to scenarios such as license plate recognition, gaming, and more
- Ultra lowlight capabilities to maintain color image quality without IR

Edge Intelligence Including AI

Illustra Pro Gen 4 cameras are ready for 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 becomes 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.

Smart Design, Configuration and Operation

With an integrated recessed mount, WIFI configuration and application profiles that automatically adjust the camera's settings based on the environment, Illustra Pro Gen 4 cameras are designed with simplicity and ease of use in mind. Smart Wide Dynamic Range further adds to this simplicity. By reading the scene, the Mini-Dome can adjust contrasting and overall scene balance without operator intervention or maintenance. Greatly improving the quality of the video stream in varying lighting environments.

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Safeguard Against Cyber Attacks Across Devices

Illustra Pro IP cameras have been designed to be resilient against cyber-threats. This solution includes "secure boot" which ensures the camera will not start if software has been tampered with in any way. Additional safeguard controls include an enhanced security mode which forces the use of complex, non-default passwords and encrypted communications. Our products are gated, analyzed, 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.

Specifications

Operational	2MP		4MP		8MP	
Video Compression	H.264 / H.265 / MJPEG / IntelliZip					
Max Frame Rate	2MP @ 60fps		5MP @ 30fps		8MP @ 30fps	
Resolution & Aspect Ratio	1920x1080 (1080p) 16:9 1664x936 (HD+) 16:9 1280x720 (720p) 16:9 1024x576 (PAL+) 16:9 960x544 (qHD) 16:9 816x464 16:9 640x360 (nHD) 16:9 480x272 16:9		2560x1920 2560x1444 2048x1536 (3 MP) 4:3 1920x1080 (1080p) 16:9 1664x936 (HD+) 16:9 1280x960 4:3 1280x720 (720p) 16:9 800x600 (SVGA) 4:3 640x480 (VGA) 4:3 480x360 4:3 384x288 4:3		3840x2160 (4K) 16:9 3264x1840 16:9 2688x1520 16:9 2560 x 1440 16:9 1920x1080 (1080p) 16:9 1664x936 (HD+) 16:9 1280x720 (720p) 16:9 1024x576 (PAL+) 16:9 960x544 (qHD) 16:9 816x464 16:9 640x360 (nHD) 16:9 480x272 16:9	
Imager	Sony 1/2.8" CMOS Image Sensor		Sony 1/2.8" CMOS Image Sensor		Sony 1/1.8" CMOS Image Sensor	
Image Orientation Settings	None, Mirror, Flip, Flip and Mirror, Corridor (rotate 90° right or left)					
Video Streams	Quad Streaming					
Bitrate Control	CBR, VBR, CVBR					
Lens Type	Motorized Varifocal and Focus, P-Iris					
Focus Control	One-Touch Auto Focus or Remote Adjustment					
Focal Length	2.7-13.5mm	7-22mm	2.7-13.5mm	6-22mm	3.6-10mm	6-22mm
Field of View Wide (H/V)	112°/58°	40°/21°	103°/74°	40°/30°	95°/53°	50°/28°
Field of View Telephoto (H/V)	35°/20°	18°/10°	33°/25°	18°/13°	49°/28°	24°/14°
Aperture	f/1.4 (W) f/2.8 (T)	f/1.7 (W) f/2.8 (T)	f/1.4 (W) f/2.8 (T)	f/1.6 (W) f/2.4 (T)	f/1.5 (W) f/2.8 (T)	f/1.6 (W) f/2.4 (T)
Minimum Illumination						
Color, 1/4s, 30 IRE, AGC	0.01 Lux	0.02 Lux	0.03 Lux	0.02 Lux	0.03 Lux	0.02 Lux
B/W, 1/4s, 30 IRE, AGC	0.0001 Lux	0.0002 Lux	0.0002 Lux	0.0002 Lux	0.0004 Lux	0.0005 Lux
W/IR	0.0 Lux	0.0 Lux	0.0 Lux	0.0 Lux	0.0 Lux	0.0 Lux
IR Distance	Up to 50 m, Smart IR, Adaptive IR					
Image Stabilization	Electronic Image Stabilization (EIS)					
Dynamic Range	True multi-shutter WDR 126dB, Off / True WDR 2x / True WDR 3x					
Smart WDR	Supported (automatically adjusts intensity to suit ambient conditions)					
Day/Night	True Day/Night 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	1/32,000 sec ~ 1/4 sec					
ONVIF Conformance	Profile S, G, M, T					
Smart Defog	Supported					
Privacy Zones	10					

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Alarm Input/Output	2 input, 2 output
Video Output	HDMI (optional **IA-HDM-OD-P4D** waterproof HDMI cable recommended)
Audio	Bi-directional; 1 input, 1 output. Built-in Microphone
Wireless Configuration	Micro USB (for use with **Tyco Tools** app via optional **IA-KIT-WD-UUA USB** Wi-Fi Dongle)
Simultaneous Users	10
Supported Languages	Arabic, Chinese (Simplified), Chinese (Traditional), Czech, Danish, English (default), French, German, Hungarian, Italian, Japanese, Korean, Netherlands, Polish, Portuguese, Russian, Spanish, Swedish, Turkish

Analytics

AI Face Detection	Supported
AI Object Classification	**Classes:** Person, Bicycle, Bus, Car, Motorbike, Train, Truck, Cart, Backpack, Handbag, Suitcase, Any Class
	Sub-classes: Person Clothing Color, Vehicle Color
	Rules: Object Detected, Perimeter, Linger, Dwell, Abandoned/Removed, Enter, Exit, Crowd, Queue
AI Tamper Detection	Blackout, Whiteout, Scene Change (FoV tamper)
AI Blur Detection	Supported
AI Metadata	Supported
Motion Detection Zones	3 Zones

Network

Ethernet Interface	10/100/1000 BaseT, RJ-45, Auto-Negotiation
Supported Protocols	TCP/IP, IPv4, IPv6, TCP, UDP, HTTP, FTP, DHCP, WS-Discovery, DNS, DDNS, RTP, TLS, RTSP, ICMP, Unicast, Multicast, NTP, SMTP, WS-Security, SNMP, CIDS, FSTP, UPnP™, SIP, Hostname configuration

Configuration Management

Web Browsers	IE 9 and above, Firefox, Safari, 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, Video Encryption for local storage and streaming.

Onboard Storage

Card Support	Built-in Micro SDXC slot up to 2TB; Card not included
Pre-Alarm Recording	Yes
Recording Format	MP4 File Format
Recording Trigger	Dry Contact Alarms, Motion Detection, Face Detection, Video Intelligence, AI Object Classification, Periodic Events
TrickleStor	Yes, encrypted storage

Electrical

Power	Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 3; 24 VAC Max Draw: PoE 12.95W, 24 VAC 16.5W
Dual Power Redundancy	Supported

Physical

Dimensions (RxH)	Ø138 x 135mm (5.43in x 5.31in)
Weight	1.5 Kg (3.31 lbs)
Housing Color	Signal White - RAL 9003
Operating Temperature	-50°C to +65°C (-58°F to 149°F)
Humidity	Up to 0-95% RH non-condensing
Vandal Resistant	IK10
Outdoor Rating	IP66/IP67

General

Safety	EN60950-1; UL60950-1; IEC 60950-1; CSA 22.2 No. 60950
Emissions	FCC Part 15 Class A; EN55032 Class A; AS/NZS CISPR 32 Class A; ICES-003/NMB-003 Class A
Immunity	EN55024; EN50130-3
Enviornment	RoHS; WEEE

Regulatory

NDAA & TAA Compliant	Yes
Warranty	5 years warranty

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Ordering Information

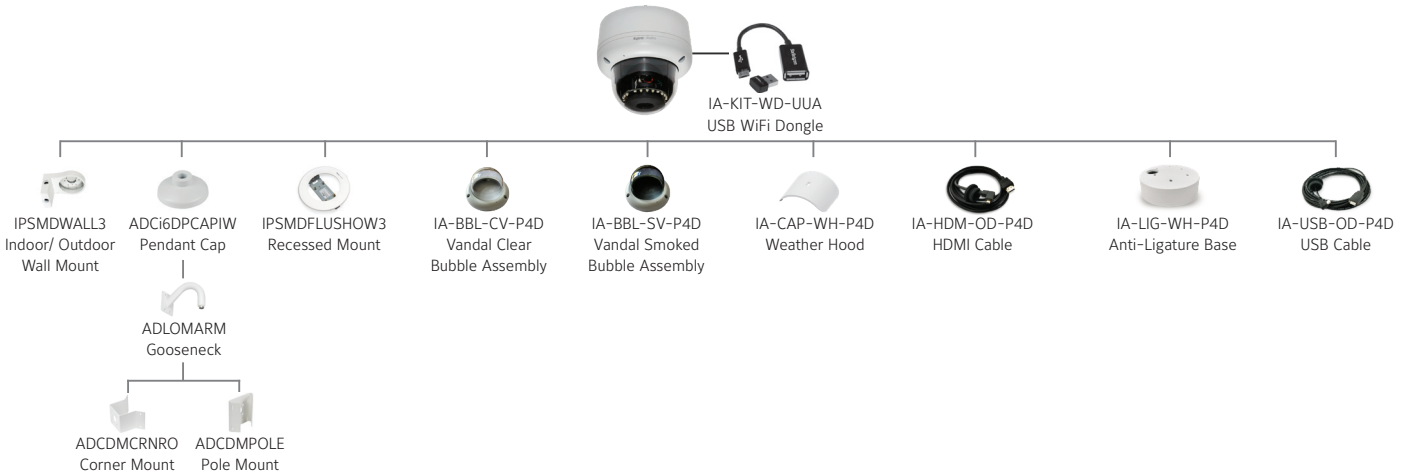| Model Numbers	Description
IPS02-D12-OI04	Illustra Pro Gen4 2MP MiniDome, 2.7-13.5mm, Indoor/Outdoor, IP67, IK10, TDN w/IR, TWDR
IPS02-D17-OI04	Illustra Pro Gen4 2MP MiniDome, 7-22mm, Indoor/Outdoor, IP67, IK10, TDN w/IR, TWDR
IPS04-D12-OI04	Illustra Pro Gen4 4MP MiniDome, 2.7-13.5mm, Indoor/Outdoor, IP67, IK10, TDN w/IR, TWDR
IPS04-D14-OI04	Illustra Pro Gen4 4MP MiniDome, 6-22mm, Indoor/Outdoor, IP67, IK10, TDN w/IR, TWDR
IPS08-D13-OI04	Illustra Pro Gen4 8MP MiniDome, 3.6-10mm, Indoor/Outdoor, IP67, IK10, TDN w/IR, TWDR
IPS08-D14-OI04	Illustra Pro Gen4 8MP MiniDome, 6-22mm, Indoor/Outdoor, IP67, IK10, TDN w/IR, TWDR

Accessories

Accessory Type	Image	Model Number	Description	Dimensions	Color
Wall Mount		IPSMDWALL3	Wall Mount Kit: Indoor/Outdoor, White	6.3 x 3.3 x 9.1 in (160.5 x 83 x 230.5 mm)	RAL 9003
Pendant Cap		ADCi6DPCAPIW	Pendant Cap: Outdoor, White	Ø5.16 x 2.17 in (Ø141 x 55 mm)	RAL 9003
Gooseneck Arm		ADLOMARM	For use with Pendant Cap	4.4 x 8.78 x 4.4 in (112.5 x 222.9 x 112.5 mm)	RAL 9003
Pole Mount Adapter		ADCDMPOLE	For use with Pendant Cap and Gooseneck Arm, or directly to the camera back plate	Wraps around pole	RAL 9003
Outside Corner Mount Adapter		ADCDMCRNRO	For use with Pendant Cap and Gooseneck Arm, or directly to the camera back plate.	5.18 x 7.58 in (131.5 x 192.5 mm)	RAL 9003
Flush Mount		IPSMDFLUSHOW3	Recessed mount for walls or ceilings, indoor/outdoor use, white trim ring.	Ø10.236 x 2.459 in (Ø260 x 62.46 mm)	RAL 9003

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Bubble Assembly		IA-BBL-CV-P4D	Vandal Clear Bubble Assembly		RAL 9003
Bubble Assembly		IA-BBL-SV-P4D	Vandal Smoked Bubble Assembly		RAL 9003
Weather Hood		IA-CAP-WH-P4D	Illustra Pro Gen4 Dome Weather Hood		RAL 9003
Anti-Ligature Base		IA-LIG-WH-P4D	Illustra Pro Gen4 Dome Anti-Ligature Base		RAL 9003
HDMI Cable		IA-HDM-OD-P4D	Illustra Pro Gen4 Dome HDMI Cable, 3m		Black
USB Cable		IA-USB-OD-P4D	Illustra Pro Gen4 Dome USB Cable, Outdoor		Black
USB Wi-Fi Dongle		IA-KIT-WD-UUA	Micro USB On-The-Go (OTG) with USB wireless network adapter		Black

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Accessories Schematic

IA-KIT-WD-UUA
USB WiFi Dongle

IPSMDWALL3
Indoor/ Outdoor
Wall Mount

ADCi6DPCAPIW
Pendant Cap

IPSMDFLUSHOW3
Recessed Mount

IA-BBL-CV-P4D
Vandal Clear
Bubble Assembly

IA-BBL-SV-P4D
Vandal Smoked
Bubble Assembly

IA-CAP-WH-P4D
Weather Hood

IA-HDM-OD-P4D
HDMI Cable

IA-LIG-WH-P4D
Anti-Ligature Base

IA-USB-OD-P4D
USB Cable

ADLOMARM
Gooseneck

ADCDMCRNRO
Corner Mount

ADCDMPOLE
Pole Mount

About Johnson Controls

At Johnson Controls (NYSE:JCI), we transform the environments where people live, work, learn and play. As the global leader in smart, healthy and sustainable buildings, our mission is to reimagine the performance of buildings to serve people, places and the planet.

Building on a proud history of nearly 140 years of innovation, we deliver the blueprint of the future for industries such as healthcare, schools, data centers, airports, stadiums, manufacturing and beyond through OpenBlue, our comprehensive digital offering.

Today, with a global team of 100,000 experts in more than 150 countries, Johnson Controls offers the world`s largest portfolio of building technology and software as well as service solutions from some of the most trusted names in the industry.

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