

Pro Gen4 Compact Dome

Powerful, Stylish Business Intelligence

Discreet In Style

Artfully crafted with options for smoked bubble and recessed features, our design is tailored to enhance the customer experience in upscale retail and gaming environments.

Easy Installation

The latest iteration of NDAA-compliant Pro Compact solutions showcases intelligent designs and enhanced peripherals, elevating the standard for installation experiences.

Sensitivity Doubled

All-new imaging sensors improve forensic quality under ultralow and complex lighting conditions

Versatile Applications

Designed for outdoors and extremely robust for indoors with built-in Mic for wider range of project applications

AI Sound Analytics

Cost-competitive fixed lens alternatives now harness 100% computing power and feature sets that were previously exclusive to robust Pro Mini-Domes, exemplifying a heightened standard of capability.

AI Loss Prevention

Proactively identifying individuals with potentially suspicious items in warehouses or retail spaces, Re-ID enhances the precision of forensic searches.

Specifications

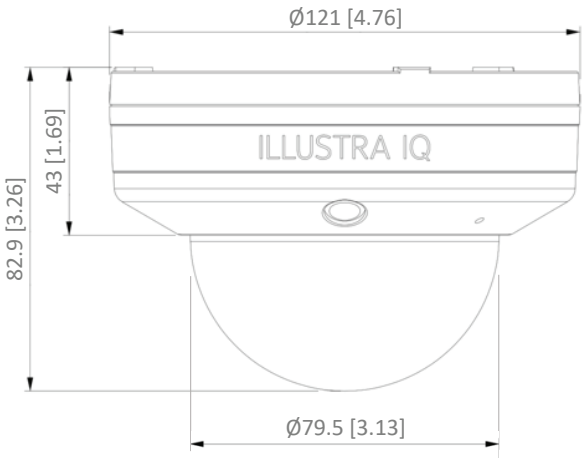
Camera	2MP	4MP (5MP)	8MP
Image sensor	Sony 1/2.8" progressive scan ultra-lowlight CMOS sensor		Sony 1/1.8" progressive scan ultra-lowlight CMOS sensor
Lens	3.0mm, F1.6, fixed iris FOV (H): 105° FOV (V): 59°	3.0mm, F2.0, fixed iris FOV (H): 101° FOV (V): 75°	4.5mm, F1.6, fixed iris FOV (H): 110° FOV (V): 57°
Day and night	True D/N by mechanically removable IR-cut filter, thresholds adjustable		
Minimum illumination – Color – B/W – IR on	 0.02 lux 0.01 lux 0 lux	 0.2 lux 0.07 lux 0 lux	 0.15 lux 0.07 lux 0 lux
Shutter speed	1/32,000 sec ~ 1/4 sec		
SNR	> 56 dB		
IR illumination	850 nm IR, power-efficient and durable Smart IR Effective up to 30 m (100 ft)		
Video			
Video compression	H.264 HP/MP, H.265 HP, Motion JPEG		
Resolution and frame rate	Up to 1920x1080 (16:9) at 60/50 fps	Up to 5MP 2560x1920 (4:3) or 4MP 2560x1440 (16:9) at 30/25 fps, 1080p up to 60/50 fps	Up to 3840x2160 (16:9) at 30/25 fps, 1080p up to 60/50 fps
Video streaming	IntelliZip smart compression in H.264 and H.265 Quad streaming CBR/VBR/CVBR configurable bitrate control Higher compression ROI		
Wide dynamic range	True WDR 120dB Smart WDR, TWDR 2x, TWDR 3x Smart Defog		
Smart image processing	AI Auto exposure: Object, person, face Smart auto exposure profiles: Gaming, LPR, outdoor, indoor, shutter priority, iris priority, manual, demo, auto		
Image settings	Configurable color contour, auto exposure, AE compensation, auto white balance, auto gain control, auto electronic shutter, flickerless, image orientation, text overlay Digital noise reduction 2D/3D Privacy mask Corridor mode		
Image stabilization	Electronic image stabilization (EIS)		
Video output	1x Micro HDMI port for preview		
Audio			
Audio compression	G.711 µ-law		
Audio streaming	Bi-directional, network audio		
Audio input/output	Built-in Microphone		
Analytics			
AI Object classifications	Classes	Person	Person
		Vehicle	Bicycle, bus, car, motorbike, train, truck
		Retail	Cart
		Suspicious objects	Backpack, handbag, suitcase
		Animal	Animal (advanced)
	Sub-classes	Personal Protective Equipment (PPE), Person clothing colors (upper, lower), vehicle colors	
	Rules	Object detected, abandoned/removed objects, direction, linger, dwell, enter, exit, crowd, queue, perimeter, tripwire, PPE, minimum stay	
AI Sound Analytics	Loud Abnormal Sound, Glass break, Fire/Smoke Alarm, Low pitch abnormal Sound, Scream		
AI Privacy mask	Person, Face		
AI Business Intelligence	Object counting (person, vehicle)		
AI Scene change detection	Abandoned/displaced/removed generic objects		
AI Tamper detection	White out, black out, FOV change		
AI Blur detection	Yes		
AI Metadata	Yes		
AI Smart Search	AI Person Re-ID (via VideoEdge v6.1.1 or after)		

Video motion detection	Yes
Network	
Ethernet	IEEE 802.3, 10/100 Base-T, 1x RJ45, auto sensing
Cyber security	ISASecure ISA/IEC 62443-4-1 certified secure development Secure boot Signed and encrypted firmware
Network security	Multi-level password protections, brute force delay protection, IP address filtering, HTTPS encryption, IEEE 802.1x (PEAP, EAP-TLS, EAPoL), digest authentication, HTTPS over TLS, WS-Security, certificate management, enhanced security (one-click security hardening, user access log, validate complex credentials, disabling unused protocols)
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, WS-Addressing, CIFS, UPNP, LLDP, QoS, SIP, Hostname configuration
Network management	SNMP v2c/v3
Simultaneous users	10
System Integrations	
Application program interface	ONVIF Profile S, Profile G, Profile M, Profile T, test tool 23.06 or later conformant Illustra iAPI via Connected Partner program
Event triggers	Video analytics, network loss, temperature
Event handling	Record to SD, snapshot, SMTP email out, FTP upload, CIFS
Peripherals	
Wireless configuration	1x Micro USB port for Illustra Camera Manager app via optional USB Wi-Fi Dongle IA-KIT-WD-UUA
Onboard storage	1x microSDXC slot, Class 10 or higher, up to 2TB capacity, card not included 1~10 sec pre/post-event buffering Encrypted storage and streaming TrickleStor offline recording and backfilling via VideoEdge and ExacqVision NVR
Mechanical	
Casing	Die casting aluminum body Polycarbonate bubble Encapsulated electronics Built-in network cable, IP66-rated waterproof cap
Lens direction	3-Axis manually repositionable, pan 360°, tilt 70°, azimuth ±175°
Mounting	Surface mount Versatile mounting options available, see Optional Accessories
Vandal resistance	IK10 impact-resistant rated
Weathering resistance	IP67/66 rated, NEMA 250 Type 4X certified
Color	RAL 9003 signal white
Reset buttons	1x Reboot, 1x factory reset
Dimension (DxH)	Ø121 x 82.9 mm (Ø4.76 x 3.26 in)
Weight	Net 550 g (1.21 lbs), gross 850 g (1.87 lbs)
Electrical	
Power source	PoE IEEE 802.3af Type 1 Class 3
Power consumption (max)	12.95 W
Environmental	
Operating conditions	-40 °C ~ 60 °C (-40 °F ~ 140 °F) Maximum temperature (intermittence): 65 °C (165 °F) Up to 0 ~ 95% RH non-condensing
Cold start temperature	-40 °C (-40 °F)
Storage conditions	-40 °C ~ 65 °C (-40 °F ~ 165 °F) Up to 0 ~ 95% RH non-condensing
Regulatory	
EMC	BS/EN 55032 Class A, IEC/BS/EN 61000-3-2, BS/EN 61000-3-3, BS/EN 50130-4, IEC/EN 61000-4-2/3/4/5/6/8/11, FCC Part 15 Subpart B Class A, ICES-003/NMB-003 Class A, RCM AS/NZS CISPR 32 Class A, IEC/BS/EN 61000-6-4, BS/EN 50121-1, BS/EN 50121-4
Safety	IEC/CB 62368-1, UL 62368-1, CAN/CSA-C22.2 No. 62368-1 IEC/CB 60950-1, IS 13252 (Part 1)

Environment	NEMA 250 Type 4X, IEC/EN 62262 (IK10), IEC/EN 60529 (IP67/66) RoHS, WEEE, REACH
General	
Web browser support	Edge, Firefox, Safari, Chrome
Device configuration	ONVIF, Web browser, Illustra Camera Manager (web, iOS, Android)
Language	Arabic, Chinese (Simplified), Chinese (Traditional), Czech, Danish, English (default), French, German, Hungarian, Italian, Japanese, Korean, Netherlands, Polish, Portuguese, Russian, Spanish, Swedish, Turkish
NDAA compliant	Yes
TAA compliant	Yes
Warranty	5 years

Dimensions

Unit: mm [in]



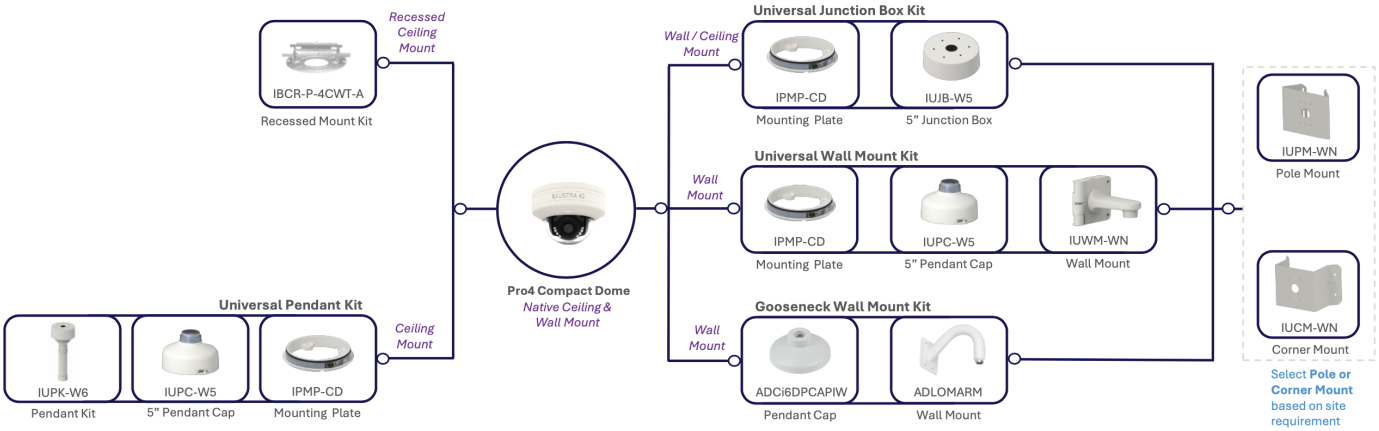


Ordering Information

Type	Part Number	Product Name	Description
Camera	IPS02-C10-OIA4	Pro4 2MP Compact	Illustra Pro Gen4 2MP Compact, 3mm, TDN, w/IR, IP66/67, IK10, Indoor/Outdoor
Camera	IPS04-C10-OIA4	Pro4 4MP (5MP) Compact	Illustra Pro Gen4 4MP (5MP) Compact, 3mm, TDN, w/IR, IP66/67, IK10, Indoor/Outdoor
Camera	IPS08-C10-OIA4	Pro4 8MP Compact	Illustra Pro Gen4 8MP Compact, 4.5mm, TDN, w/IR, IP66/67, IK10, Indoor/Outdoor

Optional Accessories

Part Number	Description
ADCi6DPCAPIW	Pendant Cap
ADLOMARM	Gooseneck Wall Mount
IUCM-WN	Illustra universal corner mount, white (use with IUWM-WN)
IUPM-WN	Illustra universal pole mount, white (use with IUWM-WN)
IUWM-WN	Illustra universal wall mount, white
IA-KIT-WD-UUA	USB Wi-Fi Dongle Kit
IA-HDM-OD-P4D	HDMI Cable, 3 m (9.8 ft)
IUJB-W5	5″ Junction Box
IPMP-CD	Mounting Plate
IUPC-W5	5″ Pendant Cap
IA-BBL-CV-P4C	Pro4 Compact Clear Bubble Kit, IK10
IA-BBL-SV-P4C	Pro4 Compact Smoked Bubble Kit, IK10
IBCR-P-4CWT-A	Recessed Mount Kit
IA-USB-OD-P4D	Pro4 Dome USB Cable
IUPK-W6	Pendant Kit
IUPK-EP	Extention Pipe for IUPK-W6



Add-On Accessory

