Illustra

Pro Gen4
Multisensor Camera

Change Your View of Camera Surveillance

4 Repositionable Lenses Cover You From Every Angle

4 Cameras in One
Four individually repositionable sensors with motorized varifocal lenses in a single camera

Edge Analytics
Deep learning AI built into each of the four sensors for independent object classification, rules and alerts

High-Quality Images
Available in 20MP and 32MP resolution plus superior WDR, defog and integrated 30m infrared vision

Cost Effective
1 camera license and 1 network cable for connectivity to the video management system (VMS)

Designed for Easy Install
Built-in hinge holds camera during install process
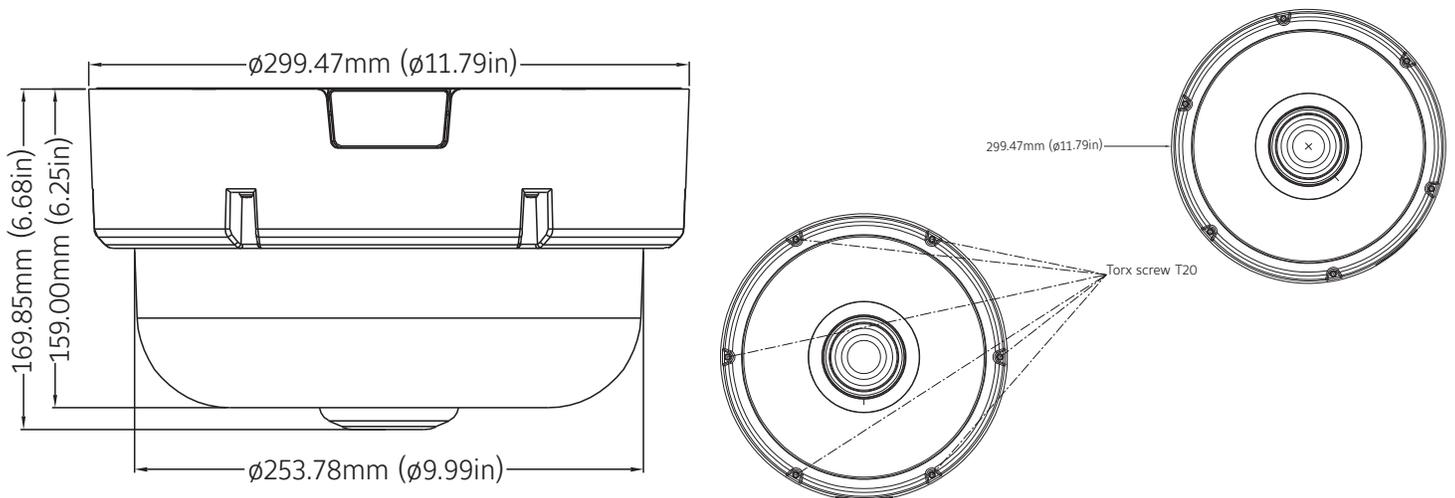
Cyber Secure
NDAA compliant, exceeds JCI security requirements

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Specifications

Operational	20MP (4x 5MP)	32MP (4x 8MP)
Video Compression	H.264 / H.265 / MJPEG / IntelliZip	
Max Frame Rate	5MP @ 30fps, 2MP @ 60fps	8MP @ 30fps, 2MP @ 60fps
Resolution & Aspect Ratio	2560x1920 (5MP) 4:3 2560x1444 (4MP) 16:9 2048x1536 (3 MP) 4:3 1920x1080 (1080p) 16:9 1664x936 (HD+) 16:9 1280x720 (720p) 16:9 1024x576 (PAL+) 16:9 800x600 (SVGA) 4:3 816x464 156:9 640x480 (VGA) 4:3 640x360 (nHD) 16:9 480x360 4:3 480x272 16:9	3840x2160 (4K) 16:9 3264x1840 (6MP) 16:9 2688x1520 (4MP) 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 1/1.8" CMOS image sensor
Image Orientation Settings	None, Mirror, Flip, Flip and Mirror, Corridor (rotate 90° right or left)	
Video Streams	Quad Streaming (per sensor)	
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	3.6 -11mm
Sensor Module Control	Manually repositionable per sensor module	
Field of View Wide (H/V)	103°/74°	95°/53°
Field of View Telephoto (H/V)	33°/25°	49°/28°
Aperture	f/1.4 (W) f/2.8 (T)	f/1.5 (W) f/2.8 (T)
Minimum Illumination		
Color, 1/4s, 30 IRE, AGC	0.11 Lux	0.2 Lux
B/W, 1/4s, 30 IRE, AGC	0.06 Lux	0.11 Lux
W/IR	0.0 Lux	0.0 Lux
IR Distance	IR models: Up to 30 m (98 ft); Non-IR models: N/A	
Dynamic Range	True WDR 120 dB Technologies	
SmartWDR	Supported	
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), Smart Defog, Gain Control (Auto, Max, Manual), Flickerless White Balance: Auto Normal, Auto Wide, Manual	
Shutter Speed	1/32,000 to 1/4 s	
ONVIF Conformance	Profile S	
Smart Defog	Supported	
Privacy Zones	10 Per Sensor	
Alarm Input/Output	2 input, 2 output	
Audio	Bi-directional; 1 input, 1 output	
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	

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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, Abandoned/Removed, Direction, Linger, Dwell, Enter, Exit, Crowd, Queue, Perimeter, Tripwire
	Sub-Classes: Person Clothing Colour, Vehicle Colour
AI Sound Analytics	Loud abnormal sound, Glass break, Fire/Smoke Alarm, Low pitch abnormal sound, Scream
AI Privacy Mask	Person, Face
AI Business Intelligence	Person Counting
AI Tamper Detection	Blackout, Whiteout, Scene Change (FoV tamper)
AI Blur Detection	Supported
AI Metadata	Supported
Motion Detection Zones	3 Zones Per Sensor
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	Microsoft Edge, 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, Brute Force Delay Protection
Onboard Storage	
Card Support	Built-in Quad Micro SDXC slot up to 2TB per slot; Card not included
Pre-Alarm Recording	Yes
Recording Format	MP4 File Format
Recording Trigger	Dry Contact Alarms, Motion Detection, Face Detection, AI Object Classification, Periodic Events
TrickleStor	Yes, encrypted storage
Electrical	
Power	Power over Ethernet (PoE++) IEEE 802.3bt Type 4 Class 8; 24 VAC; Max Draw: Manual IR 71.3W, Manual Non-IR 66W; PoE BT Injector IA-POE-90-U00 recommended
Dual Power	Yes
Physical	
Dimensions (RxH)	ø299mm x 169mm (ø11.8in x 6.7in)
Weight	Manual Non-IR: 5.03 kg (11.08 lbs); Manual IR: 5.07 kg (11.17 lbs)
Housing Color	Signal White – RAL 9003
Operating Temperature	-40°C (-40°F) to +55° C (131°F)
Humidity	Up to 90% Non-Condensing
Vandal Resistant	IK10
Outdoor Rating	IP66
Regulatory	
Safety	EN50121-4; 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
Environment	RoHS; WEEE
General	
NDAA & TAA Compliant	Yes
Warranty	5 year warranty

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Camera Dimensions

ø299.47mm (ø11.79in)

169.85mm (6.68in)

159.00mm (6.25in)

ø253.78mm (ø9.99in)

299.47mm (ø11.79in)

Torx screw T20

Ordering Information

Model Number	Description
IPS20-M12-OIA4	Illustra Pro Gen4 20MP Multisensor (5MP x4), 2.7-13.5mm, 4x Edge AI, TDN w/IR, TWDR, IP66, IK10, Quad SDXC
IPS32-M13-OIA4	Illustra Pro Gen4 32MP Multisensor (8MP x4), 3.6-11mm, 4x Edge AI, TDN w/IR, TWDR, IP66, IK10, Quad SDXC
IPS20-M12-OTA4	Illustra Pro Gen4 20MP Multisensor (5MP x4), 2.7-13.5mm, 4x Edge AI, TDN, TWDR, IP66, IK10, Quad SDXC
IPS32-M13-OTA4	Illustra Pro Gen4 32MP Multisensor (8MP x4), 3.6-11mm, 4x Edge AI, TDN, TWDR, IP66, IK10, Quad SDXC

Accessories

Model Number	Description
IBPN-M-IS12-A	Illustra Pro Gen4 Multisensor Pendant Cap
IBCR-M-ISWT-A	Illustra Pro Gen4 Multisensor Recessed Ceiling Mount
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)
IA-POE-90-U00	90w PoE Injector
IA-POE-90-U00-EU	90w PoE Injector, EU and UK power plug
IA-KIT-WD-UUA	Illustra WiFi Dongle Kit

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Accessory Chart

IBCR-M-ISWT-A
Recess Mount

IA-CON-34-P4M
Conduit Adapter

IBPN-M-IS12-A
Pendant Cap

IBCT-M-IS-A
Ceiling Tile

ROTRF

RHOTR

RHOLW
Long Wall Mount

RHOSW
Short Wall Mount

ROENDC
End Cap

RHOWCA
Corner Mount

RHOWPA
Pole Mount

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