



# Illustra IQ Pro Gen4 Corner Camera

Designed for mission-critical projects with no blind spots



## Robust Build

IK11 and IP68 certified with built-in tamper switch protection and anti-ligature design



## Recording Indicator

Visible tally light flashing in the front as required by laws in various vertical applications



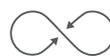
## Invisible IR Illumination

Nonirritating to suspects in detention rooms, inmates in cells, patients in wards or individuals in high-security facilities



## AI Sound Analytics

Enhances Security by detecting specific sounds types, enabling quicker responses and reducing false alarms.



## Full Peripherals

Built-in mic, speaker, audio, alarm and white LED to suit a variety of system integrations



## Powerful Edge AI

Industry's most feature-rich Video AI suite and smart applications make 24/7 surveillance operations efficient

# Specifications

Camera			
Image sensor	Sony 1/2.8" progressive scan ultra-lowlight CMOS sensor		
Lens	2.3 mm, F2.2, fixed focus, fixed iris Field of view: Horizontal 132°, vertical 97°		
Day and night	True D/N by mechanically removable IR-cut filter, thresholds adjustable		
Minimum illumination	Color: 0.17 lux B/W: 0.06 lux 0 lux when IR on		
Shutter speed	1/32,000 sec ~ 1/4 sec		
IR illumination	940 nm invisible IR, effective 10x10 m (33x33 ft) space		
White light illumination	White LED, luminance or warning, effective 2x2 m (6.5x6.5 ft) space		
Video			
Video compression	H.264 HP/MP, H.265 HP, Motion JPEG		
Resolution and frame rate	Up to 2560x1920 (4:3) at 30/25 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 technologies Smart WDR, TWDR 2x, TWDR 3x Smart Defog		
Smart image processing	AI Auto exposure: Object, person, face Smart auto exposure profiles: Gaming, LPR, various others		
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		
Image stabilization	Electronic image stabilization (EIS)		
Audio			
Audio compression	G.711 $\mu$ -law		
Audio streaming	Bi-directional, full duplex		
Audio input/output	Built-in Microphone, Speaker 1x Line-in, 1x line-out, terminal block		
Analytics			
AI Object classifications	Classes	Person Vehicle Retail Suspicious objects	Person Bicycle, bus, car, motorbike, train, truck Cart Backpack, handbag, suitcase
	Sub-classes	Person clothing colors (upper, lower), vehicle colors	
	Rules	Object detected, abandoned/removed objects, direction, linger, dwell, enter, exit, crowd, queue, perimeter, tripwire	
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	White out, black out, scene 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

Alarm	1x Line-in, 1x relay line-out (30V, 1A), terminal block 1x Tamper switch
Application program interface	ONVIF Profile S, Profile G, Profile M, Profile T, test tool 22.12 or later conformant Illustra iAPI via Connected Partner program
Event triggers	Video analytics, alarm input, casing open, network loss, temperature
Event handling	Record to SD, snapshot, SMTP email out, FTP upload, CIFS, alarm output, playback audio clip, SIP call, flash white LED

## Peripherals

Wireless configuration	1x Micro USB for use with Tyco Tools 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 incl 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 solid casing, polycarbonate front window Anti-ligature Encapsulated electronics
Mounting	Corner mount, 2x conduit entries (rear, side) No blind spots when installed at 2.6 m (8.5 ft) height or higher
Vandal resistance	IK11 50 joules impact-resistant rated
Weathering resistance	IP68/67/66 rated, NEMA 250 Type 4X certified
Color	RAL 9003 signal white
Recording status indicator	Yes, modes configurable
Reset buttons	1x Reboot, 1x factory reset
Dimension (WxHxD)	208.3 x 200.9 x 57 mm (8.2 x 7.9 x 2.2 in)
Weight	Net 1.6 kg (3.5 lbs), gross 1.8 kg (4.0 lbs)

## Electrical

Power source	PoE: IEEE 802.3af Type 1 Class 3, PoE+: IEEE802.3at Type 2 Class 4 24VAC, 1.27A, terminal block 12VAC, 1.62A, terminal block
Power consumption (max)	PoE 12.95 W, PoE+ 16.5 W 24 VDC 17.2 W 12 VDC 19.5 W
Dual power redundancy	Supported

## Environmental

Operating conditions	PoE+ & 24 VAC: -40 °C ~ 60 °C (-40 °F ~ 140 °F) PoE & 12 VDC: -20 °C ~ 60 °C (-4 °F ~ 140 °F) Maximum temperature (intermittence): 65 °C (165 °F) Up to 0 ~ 95% RH non-condensing
Cold start temperature	PoE+ & 24 VAC: -40 °C (-40 °F) PoE & 12 VDC: -20 °C (-2 °F)
Storage conditions	-40 °C ~ 65 °C (-40 °F ~ 165 °F) Up to 0 ~ 95% RH non-condensing

## Regulatory

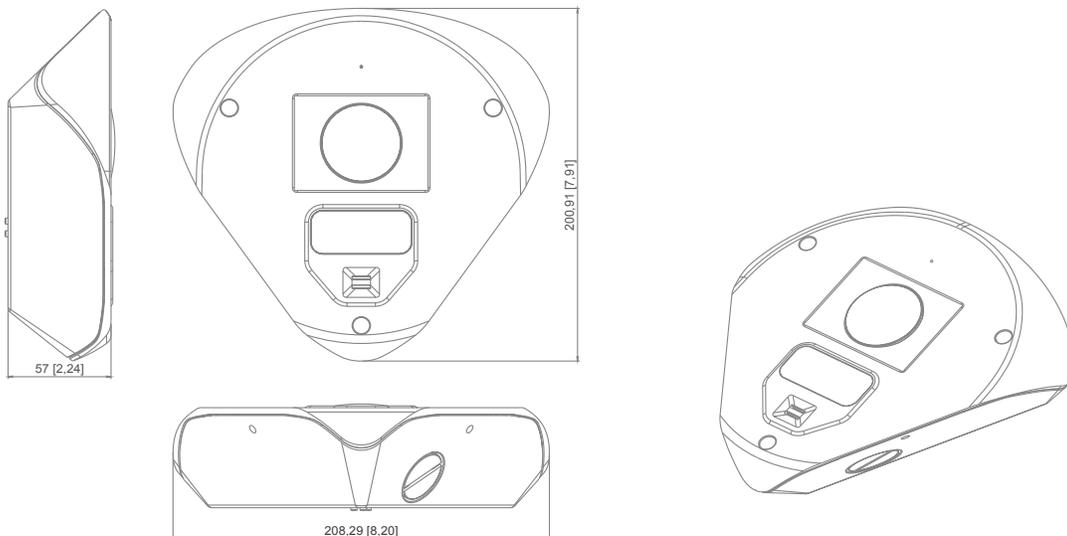
EMC	BS/EN 55032 Class A, IEC/BS/EN 61000-3-2, BS/EN 61000-3-3, BS/EN 50130-4, IEC 61000-4-2/3/4/5/6/11, FCC Part 15 Subpart B Class A, ICES-003/NMB-003 Class A, RCM AS/NZS CISPR 32 Class A
Safety	IEC/UL/CB 62368-1, CAN/CSA-C22.2 No. 62368-1 IEC/UL/CB 60950-1, CAN/CSA-C22.2 No. 60950-1, IS 13252 (Part 1)
Environment	NEMA 250 Type 4X, IEC/EN 62262 (IK11), IEC/EN 60529 (IP68/67/66) RoHS, WEEE, REACH

## General

Web browser support	Edge, Firefox, Safari, Chrome
Device configuration	ONVIF, Web browser, Illustra Connect (Windows), Tyco Tools (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

Product	Part Number	Product Name	Description
Camera	IPS05-R10-OIA4	ILL Pro4 5MP Corner	Illustra Pro Gen4 5MP Corner, 2.3mm, IK11, IP68, TDN w/IR, Mic, Spk

## Optional Accessory

Product	Part Number	Image	Description
USB Wi-Fi Dongle	IA-KIT-WD-UUA		Works with Micro USB port and Tyco Tools mobile app

IL1439-DS-202409-R01-HS-EN