



4K Dual-Illumination Turret Camera

CODE: CTX8C-IL-IP-TUR-FW



Fixed
Lens



4K/8MP
Resolution



30m Dual-Light
Range



Full-Colour
White Light



People and
Vehicle Detection



Camera

Image Sensor	1/2.7" CMOS
Image Resolution	4K/8MP (3840 x 2160)
ROM	128MB
RAM	256MB
Scanning System	Progressive
Electronic Shutter Speed	Auto / Manual; 1/3s to 1/100,000s
Minimum Illumination	0.008 lux @ F1.6 (Colour, 30 IRE); 0.0008 lux @ F1.6 (Black / White, 30 IRE); 0 lux (Illuminator On)
S/N Ratio	>56dB
Illumination Distance	30m (98.43 ft.) (IR & Warm Light)
Illuminator On / Off Control	Auto / Manual
Illuminator Number	1 (IR LED); 1 (Warm Light)
Pan / Tilt / Rotation Range	Pan: 0°–360°; Tilt: 0°–78°; Rotation: 0°–360°



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Lens Information

Lens Type	Fixed Focal			
Lens Mount	M12			
Focal Length	2.8mm			
Maximum Aperture	F1.6			
Field of View	Horizontal: 111°; Vertical: 58°; Diagonal: 132°			
Iris Control	Fixed			
Close Focus Distance	1.5m (4.92 ft.)			
DORI Distance	Detect	Observe	Recognise	Identify
	84.8m (278.22 ft.)	33.9m (111.22 ft.)	17m (55.77 ft.)	8.5m (9.9 ft.)



Intelligent Functions

IVS (Perimeter Protection)	Tripwire & Intrusion (Classification and Detection of People & Vehicles)
SVD (People & Vehicle Detection)	Supported
Intelligent Search	(With Smart NVR) Perform Refined Intelligent Search, Event Extraction and Merging for Event Videos



Video

Video Compression	H.265 / H.264 / H.264H / H.264B / MJPEG (Only Supported by Sub-Stream)
Smart Codec	Smart H.265+ / Smart H.264+
AI Coding	AI H.265 / AI H.264
Video Frame Rate	Main Stream: 3840 x 2160 @ (1-20fps) / 2688 x 1520 @ (1-25/30 fps)
(These values are the maximum frame rates of each stream. For multiple streams, the values will be subjected to the total encoding capacity.)	Sub Stream 1: 704 x 576 @ (1-25 fps) / 704 x 480 @ (1-30 fps)
Stream Capability	2 Streams



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Video (continued.)

Resolution	4K/8MP (3840 x 2160); 6MP (3072 x 2048 / 3072 x 1728); 5MP (2880 x 1620); 4MP (2688 x 1520); 3.6MP (2560 x 1440); 3MP (2304 x 1296); 1080P / 2MP (1920 x 1080); 1.3MP (1280 x 960); 720P (1280 x 720); D1 (704 x 576 / 704 x 480); CIF (352 x 288 / 352 x 240); VGA (640 x 280);
Bit Rate Control	CBR / VBR
Video Bit Rate	H.264: 32 kbps to 8192 kbps; H.265: 12 kbps to 8192 kbps
Day / Night	Auto (ICR), Colour or Black / White
BLC	Supported
HLC	Supported
WDR	120 dB
Scene Self Adaptation (SSA)	Supported
White Balance	Auto, Natural, Street Lamp, Outdoor, Manual, Regional, Custom
Gain Control	Auto
Noise Reduction	3D NR
Motion Detection	On / Off (4 Rectangular Areas)
Region of Interest (RoI)	Supported (4 Areas)
Defog	Supported
Image Rotation	0°/ 90°/ 180° / 270° (Supports 90° / 270° with 4MP Resolution (2688 x 1520) and Lower)
Mirror	Supported
Privacy Masking	Supported (4 Areas)



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Audio

Built-In Microphone & Speaker

Yes

Audio Compression

G.711a; G.711Mu; PCM; G.726



Alarm

Alarm Event

Alarm in Case Of:

- No SD Card
- Full SD Card
- SD Card Error
- Network Disconnection
- IP Conflict
- Illegal Access
- Motion Detection
- Video Tampering
- Intrusion
- Tripwire
- Scene Change
- Audio Detection
- Voltage Detection
- Defocus Detection
- People & Vehicle Detection
- Safety Exception



Network

Network Port

RJ45 (10 / 100 Base-T)

SDK & API

Supported

Network Protocol

IPv4; IPv6; HTTP; TCP; UDP; ARP; RTP; RTSP; RTCP; RTMP; SMTP; FTP; SFTP; DHCP; DNS; DDNS; QoS; UPnP; NTP; Multicast; ICMP; IGMP; NFS; PPPoE; Bonjour

Cyber Security

Video Encryption; Firmware Encryption; Configuration Encryption; Digest; WSSE; Account Lockout; Security Logs; IP / Mac Filtering; Generation and Importing of X.509 Certification; Syslog; HTTPS; 802.1x; Trusted Boot; Trusted Execution; Trusted Upgrade

Interoperability

ONVIF (Profile S/Profile G/Profile T); CGI; P2P; Milestone

User / Host

20 (Total Bandwidth: 48MB)

Storage

FTP; SFTP; Micro SD Card (Max. 256 G); NAS

Browser

IE; Chrome; Firefox

Management Software

λ | Cortex VMS

Mobile Client

iOS & Android



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Certification

Certifications

- CE-LVD: EN62368-1
- CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU
- FCC: 47 CFR FCC Part 15, Subpart B
- UL/CUL: UL62368-1 & CAN/CSA C22.2 No. 62368-1-14



Parameters & Dimensions

Power Supply	12VDC / PoE (802.3af)
Power Consumption	Standard: 2.6W (12 VDC); 3.3W (PoE) H.265 + Main Stream + IR / Warm Light Intensity: 5W (12 VDC); 5.9W (PoE)
Storage Temperature	-40°C to +60°C (-40°F to +140°F)
Working Temperature	-40°C to +60°C (-40°F to +140°F)
Working Humidity	Less than 95% (RH)
Protection	IP67
Casing	Metal
Product Dimensions	100.9mm x Φ109.9mm (3.97" × Φ4.33")
Net Weight	380g (0.84lb)
Gross Weight	520g (1.152lb)