



5MP AI Fixed IR Turret Camera

CODE: CTX-5MP-IPC-TUR3-FW-V2



Fixed
Lens



5MP
Resolution



50m IR
Range



People and
Vehicle Detection



AI
Features



Camera

Image Sensor	1/2.7" CMOS
Image Resolution	5MP (2592 x 1944)
ROM	128MB
RAM	256MB
Scanning System	Progressive
Electronic Shutter Speed	Auto / Manual; 1/3s to 1/100,000s
Minimum Illumination	0.005 lux @ F1.6
S/N Ratio	>56dB
Illumination Distance	50m (164 ft.) (IR)
Illuminator On / Off Control	Auto / Manual
Illuminator Number	2 (IR LED)
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: 98°; Vertical: 72°; Diagonal: 130°			
Iris Control	Fixed			
Close Focus Distance	0.9m (3 ft.)			
DORI Distance	Detect	Observe	Recognise	Identify
	56m (183.7 ft.)	22.4m (73.5 ft.)	11.2m (36.8 ft.)	5.6m (18.4 ft.)



Intelligent Functions

IVS (Perimeter Protection)	Tripwire & Intrusion (Classification and Detection of People & Vehicles)
Smart Search (with AI NVR)	Refined Intelligent Search, Event Extraction and Merging of Event Footage



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+
Video Frame Rate	Main Stream: 2592 x 1944 @ (1-20 fps) / 2688 x 1520 @ (1-25 / 30 fps) Sub Stream 1: 704 x 576 @ (1-25 fps) / 704 x 480 @ (1-30 fps) Sub Stream 2: 1280 x 720 @ (1-25/30 fps)
Stream Capability	3 Streams



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Video (continued.)

Resolution	5MP (2592 x 1944); 4MP (2688 x 1520); 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 480)
Bit Rate Control	CBR / VBR
Video Bit Rate	H.264: 3 kbps to 8192 kbps; H.265: 3 kbps to 8192 kbps
Day / Night	Auto (ICR), Colour or Black / White
BLC	Supported
HLC	Supported
WDR	120 dB
White Balance	Auto, Natural, Street Lamp, Outdoor, Manual, Regional, Custom
Gain Control	Auto / Manual
Noise Reduction	3D NR
Motion Detection	On / Off (4 Rectangular Areas)
Region of Interest (RoI)	Supported (4 Areas)
Smart Illumination	Supported
Image Rotation	0° / 90° / 180° / 270° (Supports 90° / 270° with 2MP Resolution (1920 x 1080) and Lower)
Mirror	Supported
Privacy Masking	Supported (4 Areas)

Audio

Built-In Microphone	Yes
Audio Compression	G.711a; G.711Mu; AAC; G.726



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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
- 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; SNMP; P2P; 802.1x
Interoperability	ONVIF (Profile S/Profile G); CGI; P2P; Milestone; Genetec
Scene Self-Adaptation (SSA)	Supported
User / Host	20 (Total Bandwidth: 64MB)
Storage	FTP; SFTP; Micro SD Card (Max. 256 G); NAS
Browser	IE8 to 11; Chrome; Firefox
Management Software	λ Cortex VMS
Mobile Client	iOS & Android



Certification

Certifications

- CE-LVD: EN62368-1
- CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU
- FCC: 47 CFR FCC Part 15, Subpart B
- UL/CUL: UL60950-1 & CAN/CSA C22.2 No. 60950-1-07



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Parameters & Dimensions

Power Supply	12VDC / PoE (802.3af)
Power Consumption	<8.1W
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	99.1mm x Φ121.9mm (3.9" x Φ4.80")
Net Weight	480g (1.05lb)
Gross Weight	660g (1.45lb)