



4K AI Motorised IR Turret Camera

CODE: CTX-8MP-IPC-TUR2-MW-V2



Motorised
Lens



4K/8MP
Resolution



40m IR
Range



People and
Vehicle Detection



AI
Features



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 @ F1.5 (Colour, 30 IRE); 0.0008 lux @ F1.5 (Black / White, 30 IRE); 0 lux (Illuminator On)
S/N Ratio	>56dB
Illumination Distance	40m (131.23 ft.)
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		Motorised Varifocal			
Lens Mount		ø14			
Focal Length		2.7mm to 13.5mm			
Maximum Aperture		F1.5			
Field of View		Horizontal: 113°–31°; Vertical: 58°–18°; Diagonal: 138°–36°			
Iris Control		Fixed			
Close Focus Distance		0.8m (2.62 ft.)			
DORI Distance	Lens	Detect	Observe	Recognise	Identify
	W	85.3m (279.86 ft.)	34.1m (111.88 ft.)	17.1m (56.1 ft.)	8.5m (27.89 ft.)
	T	280m (918.64 ft.)	112m (367.45 ft.)	56m (183.73 ft.)	28m (97.86 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 Frame Rate <i>(These values are the maximum frame rates of each stream. For multiple streams, the values will be subjected to the total encoding capacity.)</i>	Main Stream: 3840 x 2160 @ (1-20 fps) / 2668 x 1520 @ (1-25 / 30 fps)
	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) 5MP (3072 x 1728); (2880 x 1620); 4MP (2688 x 1520); 3.6MP (2560 x 1440); 3MP (2048 x 1536); 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
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 4MP Resolution (2688 x 1520) and Lower)
Mirror	Supported
Privacy Masking	Supported (4 Areas)

Audio

Built-In Microphone	Yes
Audio Compression	G.711a; G.711Mu; PCM; 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
- 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; P2P
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	IE11; 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: UL62368-1 & CAN/CSA C22.2 No. 62368-1-14



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Parameters & Dimensions

Power Supply	12VDC / PoE (802.3af)
Power Consumption	Standard: 2.8W (12 VDC); 3.6W (PoE) WDR + IR Intensity + Intelligent Features: 6.4W (12 VDC); 7.6W (PoE)
Storage Temperature	-40°C to +60°C (-40°F to +140°F)
Working Temperature	-30°C to +60°C (-22°F to +140°F)
Working Humidity	Less than 95% (RH)
Protection	IP67
Casing	Metal
Product Dimensions (L x W x H)	108.3mm x Φ 122mm (4.26" x Φ 4.80")
Net Weight	700g (1.54lb)
Gross Weight	880g (1.94lb)