



# 4K Light & Siren Active Deterrent Camera

CODE: CTX8C-IP-AD-TUR-S3FG



Fixed Lens



4K/8MP Resolution



30m Dual-Light Range



People and Vehicle Detection



Active Deterrent



## Camera

Image Sensor	1/2.7" CMOS
Image Resolution	4K/8MP (3840 x 2160)
ROM	256MB
RAM	2GB
Scanning System	Progressive
Electronic Shutter Speed	Auto / Manual; 1/3s to 1/100,000s
Minimum Illumination	0.004 lux @ F1.0 (Colour, 30 IRE); 0.0004 lux @ F1.0 (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	F1.0			
Field of View	Horizontal: 106°; Vertical: 55°; Diagonal: 125°			
Iris Control	Fixed			
Close Focus Distance	1.5m (4.92 ft.)			
DORI Distance	<b>Detect</b>	<b>Observe</b>	<b>Recognise</b>	<b>Identify</b>
	66m (216.54 ft.)	26.4m (86.61 ft.)	13.2m (43.31 ft.)	6.6m (21.65 ft.)

## Intelligent Functions

IVS (Perimeter Protection)	Tripwire & Intrusion (Classification and Detection of People & Vehicles)
SVD 4.0 (People & Vehicle Detection +)	Supported
AI Target Location	Uses Deep Learning Algorithms to Accurately Match Targets & Search Through Live and Recorded Footage to Locate Targets
AI SSA	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	<p><b>Main Stream:</b> 3840 x 2160 @ (1-25/30 fps)</p> <p><b>Sub Stream 1:</b> 704 x 576 @ (1-25 fps) / 704 x 480 @ (1-30 fps)</p> <p><b>Sub Stream 2:</b> 1920 x 1080 @ (1-25/30 fps)</p>

*(These values are the maximum frame rates of each stream. For multiple streams, the values will be subjected to the total encoding capacity.)*



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 Video (continued.)

Stream Capability	3 Streams
Resolution	<b>4K/8MP</b> (3840 x 2160); <b>6MP</b> (3072 x 2048); <b>5MP</b> (2880 x 1620 / 2960 x 1668); <b>4MP</b> (2688 x 1520 / 2560 x 1440); <b>3MP</b> (2304 x 1296 / 2048 x 1536); <b>1080P</b> / 2MP (1920 x 1080); <b>1.3MP</b> (1280 x 960); <b>720P</b> (1280 x 720); <b>D1</b> (704 x 576 / 704 x 480); <b>CIF</b> (352 x 288 / 352 x 240);
Bit Rate Control	CBR / VBR / ABR
Video Bit Rate	H.264: 3 kbps to 16384 kbps; H.265: 3 kbps to 16384 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; G.723



## Alarm

Alarm Event	<p><b>Alarm in Case Of:</b></p> <ul style="list-style-type: none"> <li>- No SD Card</li> <li>- Full SD Card</li> <li>- SD Card Error</li> <li>- Network Disconnection</li> <li>- IP Conflict</li> <li>- Illegal Access</li> <li>- Motion Detection</li> <li>- Video Tampering</li> <li>- Intrusion</li> <li>- Tripwire</li> <li>- Scene Change</li> <li>- Audio Detection</li> <li>- Voltage Detection</li> <li>- Defocus Detection</li> <li>- People &amp; Vehicle Detection</li> <li>- Safety Exception</li> </ul>
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## 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
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: 64MB)
Storage	FTP; SFTP; Micro SD Card (Max. 256 G); NAS
Browser	IE8 / 9 / 11; 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
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## Ports

Audio Input	1 Channel (RCA Port)
Audio Output	1 Channel (RCA Port)
Alarm Input	1 Channel In (Wet Contact, 5 mA 3V-5 VDC)
Alarm Output	1 Channel Out (Wet Contact, 300 mA 12 VDC)

## Parameters & Dimensions

Power Supply	12VDC / PoE (802.3af)
Power Consumption	<b>Standard:</b> 4,5W (12 VDC); 5.8W (PoE) <b>H.265 + Main Stream + IR / Warm Light Intensity:</b> 8.6W (12 VDC); 10.1W (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	110.9mm x Φ122mm (4.8" × Φ4.37")
Net Weight	750g (1.65lb)
Gross Weight	920g (2.03lb)