

CZ6404 Series 4MP IR Fixed-focal Explosion Proof Mini Dome Camera



Description

The ATEX & IECEx certified CZ6404 are ZUOAN designed classic explosion-proof corrosion-proof camera, which can load various camera. This product has obtained group II explosion-proof level certification and temperature level certification, applicable for Zone 1 and Zone 2 hazardous areas that explosive mixture of group IIA, IIB, IIC, T1~T6 gases, vapors and air may exists, Zone 21 and Zone 22 hazardous areas that explosive dust may exist. For example: refine, oil extraction, gas extraction, chemical, petrol station and other environment.

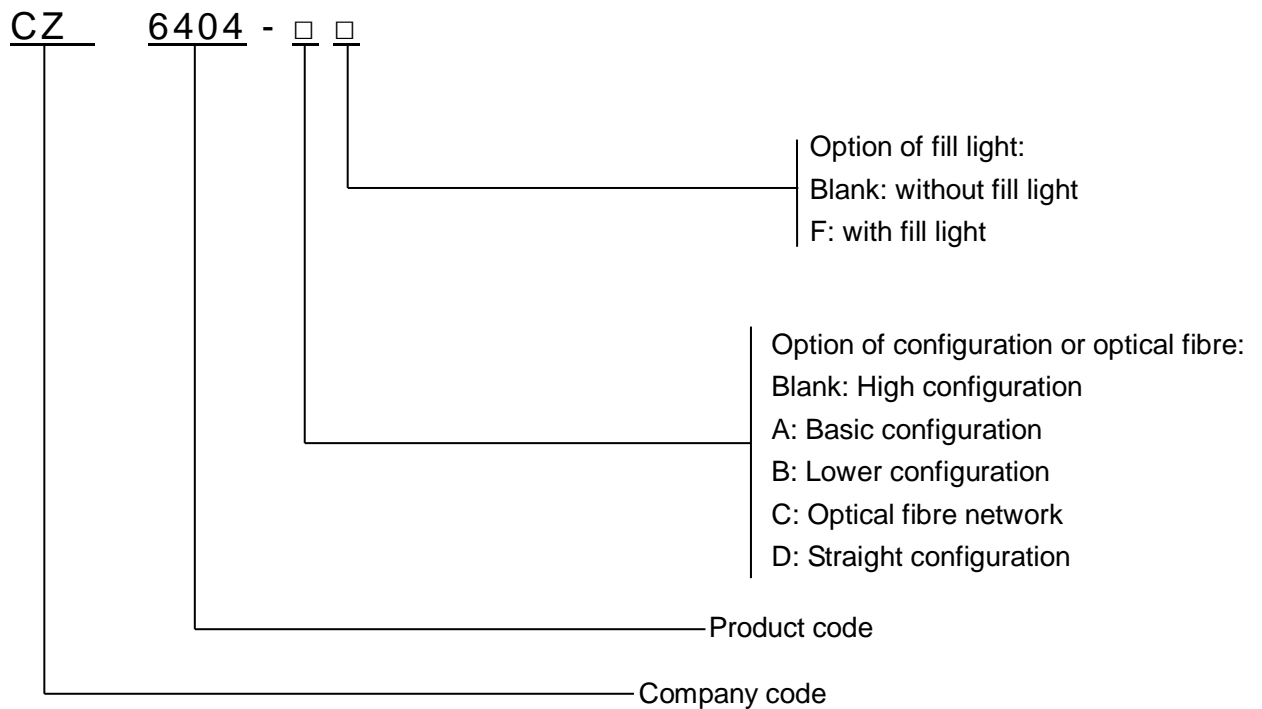
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Main Features:

- ATEX, IECEx certified
- Application: gas zone 1, zone 2; dust zone 21, 22.
- Exd II CT6 Gb/ Ex tD A21 IP68 T80°C
- Stainless steel 304 or 316L
- Optional electropolished or corrosion resistant paint finish
- Enclosure Protection: IP66, IP68 (2m, 2h)
- Power input: DC12V or POE power supply
- High image definition, 4MP, 1/3" CMOS image sensor
- H.265 codec, high compression rate
- Built-in IR LED, max IR distance: 50 m
- ROI, SMART H.264+/H.265+, AI H.264/H.265
- Rotation mode, WDR, 3D NR, HLC, BLC, digital watermarking
- Optional alarm: 1 in, 1 out (Only - AS supports); audio: 1 in, 1 out (Only - AS supports); max. 256 G Micro SD card.
- Intelligent detection: Intrusion, tripwire
- Abnormality detection: Motion detection, privacy masking, scene changing, audio detection

CZ6404-□□□ EXPLOSION PROOF FIXED CAMERA



Specification:

Camera					
Image Sensor	1/3" CMOS				
Max. Resolution	2688 (H) × 1520 (V)				
ROM	128 MB				
RAM	512 MB				
Scanning System	Progressive				
Electronic Shutter Speed	Auto/Manual 1/3 s–1/100,000 s				
Min. Illumination	0.005 lux@F1.4 (Color, 30 IRE) 0.0005 lux@F1.4 (B/W, 30 IRE) 0 lux (Illuminator on)				
S/N Ratio	>56 dB				
Illumination Distance	50 m (164.04 ft)				
Illuminator On/Off Control	Auto/Manual				
Illuminator Number	3 (IR LED)				
Lens					
Lens Type	Fixed-focal				
Lens Mount	M12				
Focal Length	2.8 mm; 3.6 mm; 6 mm				
Max. Aperture	F1.4				
Field of View	2.8 mm: Horizontal:107°; vertical: 56°; diagonal: 127° 3.6 mm: Horizontal:88°; vertical: 44°; diagonal: 105° 6 mm: Horizontal:54°; vertical: 29°; diagonal: 63°				
Iris Control	Fixed				
Close Focus Distance	2.8 mm: 0.7 m (2.30 ft) 3.6 mm: 1.3 m (4.27 ft) 6 mm: 2.6 m (8.53 ft)				
DORI Distance	Lens	Detect	Observe	Recognize	Identify
	2.8 mm	63.6 m (208.66 ft)	25.4 m (83.33 ft)	12.7 m (41.67 ft)	6.4 m (21.00 ft)
	3.6 mm	85.4 m (280.18 ft)	34.2 m (112.20 ft)	17.1 m (56.10 ft)	8.5 m (27.89 ft)
	6 mm	124 m (406.82 ft)	49.6 m (162.72 ft)	24.8 m (81.36 ft)	12.4 m (40.68 ft)
Intelligence					
IVS (Perimeter Protection)	Tripwire, intrusion (support the classification and accurate detection of vehicle and human)				
AI SSA	Yes				
Quick Pick	With AI NVR, quickly pick up the human/vehicle targets				

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	that users are interested in from SMD events
Smart Search	Work together with Smart NVR to perform refine intelligent search, event extraction and merging to event videos
Video	
Video Compression	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)
Smart Codec	Smart H.265+ Smart H.264+
AI Coding	AI H.265 AI H.264
Video Frame Rate	Main stream: 2688 × 1520 @ (1–25/30) fps Sub stream 1: 704 × 576 @ (1–25 fps)/704 × 480 @ (1–30 fps) Sub stream 2: 1920 × 1080 @ (1–25/30) fps *The values above are the max. frame rates of each stream; for multiple streams, the values will be subjected to the total encoding capacity
Stream Capability	3 streams
Resolution	4M (2688 × 1520); 3.6M (2560 × 1440); 3M (2048 × 1536); 3M (2304×1296); 1080p (1920 × 1080); 1.3M (1280 × 960); 720p (1280 × 720); D1 (704 × 576/704 × 480); CIF (352 × 288/352 × 240); VGA (640 × 480)
Bit Rate Control	CBR/VBR
Video Bit Rate	H.264: 3 kbps–8192 kbps H.265: 3 kbps–8192 kbps
Day/Night	Auto (ICR)/Color/B/W
BLC	Yes
HLC	Yes
WDR	120 dB
Scene Self-adaptation (SSA)	Yes
White Balance	Auto; natural; street lamp; outdoor; manual; regional custom
Gain Control	Auto
Noise Reduction	3D NR
Motion Detection	OFF/ON (4 areas, rectangular)
Region of Interest (Rol)	Yes (4 areas)
Defog	Yes
AFSA	Yes
Image Rotation	0°/90°/180°/270° (support 90°/270° with 2688×1520 resolution and lower)
Mirror	Yes

Privacy Masking	4 areas
Optional Audio	
Audio Compression	G.711a; G.711Mu; PCM; G.726; G.723
Alarm	
Alarm Event	<p>- AS: No SD card; SD card full; SD card error; service life warning (only supported by Dahua card); network disconnection; IP conflict; illegal access; motion detection; video tampering; intrusion; tripwire; scene changing; audio detection; voltage detection; external alarm; SMD; safety exception</p> <p>-S: No SD card; SD card full; SD card error; service life warning (only supported by Dahua card); network disconnection; IP conflict; illegal access; motion detection; video tampering; intrusion; tripwire; scene changing; audio detection; voltage detection; SMD; safety exception</p>
Network	
Network Port	RJ-45 (10/100 Base-T)
SDK and API	Yes
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; SAMBA; PPPoE; SNMP
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; Genetec
User/Host	20 (Total bandwidth: 64 M)
Storage	FTP; SFTP; Micro SD card (support max. 256 G); NAS
Browser	IE:IE11; Chrome; Firefox
Management Software	Smart PSS; DSS; DMSS
Mobile Client	IOS; Android
Certification	
Certifications	ATEX, IECEx certified
Explosion proof	DNV 21 ATEX 24764X

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certification	IECEX DNV 21.0047X
ATEX Explosion proof marking	Without optical fibre  II 2 G Ex db IIC T6 Gb  II 2 D Ex tb IIIC T80°C Db With optical fibre  II 2 G Ex db op pr IIC T6 Gb  II 2 D Ex tb op pr IIIC T80°C Db
IECEX Explosion proof marking	With optical fibre: Ex db op pr IIC T6 Gb Ex tb op pr IIIC T80°C Db Without optical fibre: Ex db IIC T6 Gb Ex tb IIIC T80°C Db
Optional Port	
Audio Input	1 channel (RCA port) (Only- AS supports)
Audio Output	1 channel (RCA port) (Only- AS supports)
Alarm Input	1 channel in: 5 mA 3–5 VDC (Only- AS supports)
Alarm Output	1 channel out: 300 mA 12 VDC (Only- AS supports)
Power	
Power Supply	12 VDC/PoE (802.3af)
Power Consumption	Basic: 2.8 W (12 VDC); 3.5 W (PoE) Max. (WDR + IR intensity + Intelligence): 7.1 W (12 VDC); 8.3 W (PoE)
Environment	
Operating Temperature	–40 °C to +60 °C (–40 °F to 140 °F) /Less than 95% RH
Storage Temperature	–40 °C to +60 °C (–40 °F to 140 °F)
Protection	IP66, IP68 (2m, 2h)
Structure	
Casing	Stainless steel 304 or 316L Optional with corrosion proof painting
Product Dimensions	Φ144 (mm) x 245 (mm) (include ceiling mount)
Net Weight	6.4kg with ceiling mount bracket
Gross Weight	6.5kg with ceiling mount bracket

Drawings

