

CZ6404 Series 5MP IR Vari-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.

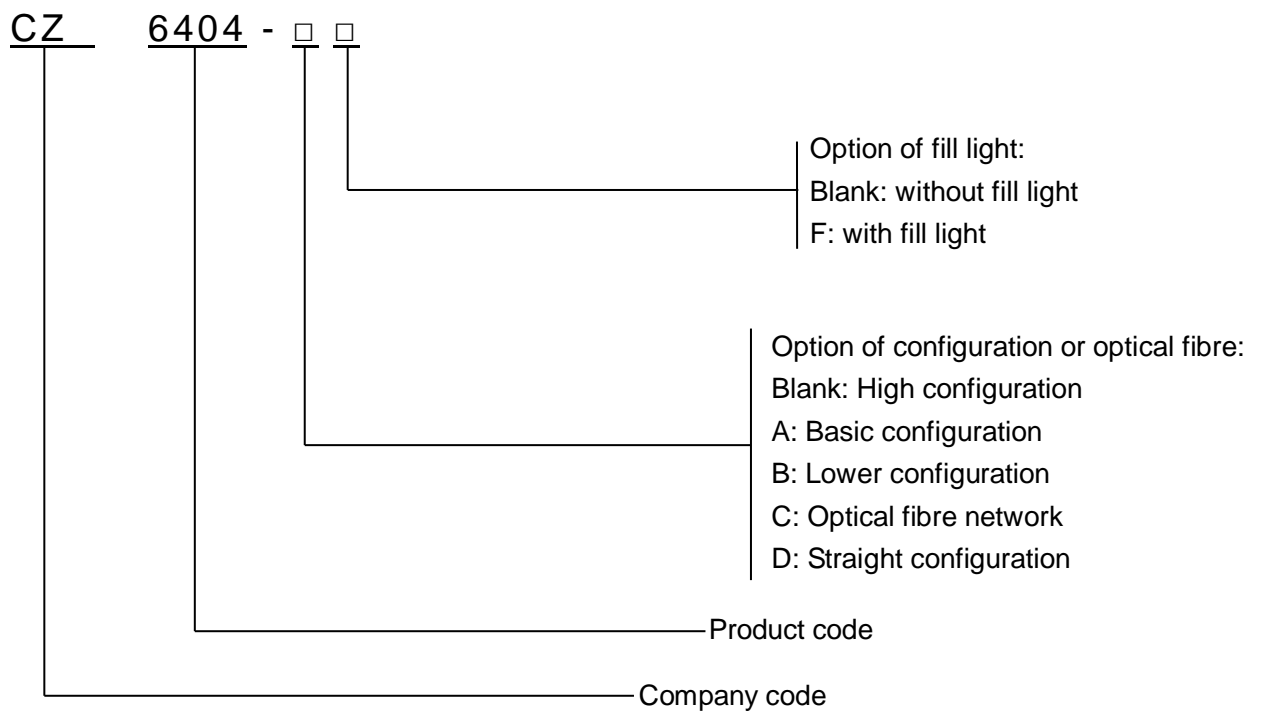
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Main Features:

- 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, 5MP, 1/2.7" CMOS image sensor
- H.265 codec
- Built-in IR LED, max IR distance: 40 m
- ROI, SMART H.264+/H.265+, flexible coding
- Rotation mode, WDR, 3D NR, HLC, BLC, digital watermarking
- Optional alarm: 1 in, 1 out; audio: 1 in, 1 out
- Intelligent detection: Intrusion, tripwire

CZ6404-□□□ EXPLOSION PROOF FIXED CAMERA



Specification:

Camera					
Image Sensor	1/2.7" 5 Megapixel progressive CMOS				
Max. Resolution	2592 (H) × 1944 (V)				
ROM	128 MB				
RAM	256 MB				
Scanning System	Progressive				
Electronic Shutter Speed	Auto/Manual 1/3 s–1/100000 s				
Min. Illumination	0.008 Lux @ F1.5				
S/N Ratio	>56 dB				
Illumination Distance	40 m (131.2 ft)				
Illuminator On/Off Control	Auto/Manual				
Illuminator Number	2 (IR LED)				
Lens					
Lens Type	Motorized vari-focal				
Mount Type	φ14				
Focal Length	2.7 mm–13.5 mm				
Max. Aperture	F1.5				
Field of View	Horizontal: 100°–26° Vertical: 72°–20° Diagonal: 133°–33°				
Iris Type	Fixed				
Close Focus Distance	0.8m–0.8m (2.62 ft–2.62 ft)				
DORI Distance	Lens	Detect	Observe	Recognize	Identify
	W	64 m (209.97 ft)	25.6 m (83.99 ft)	12.8 m (41.99 ft)	6.4 m (21 ft)
	T	220 m (721.78 ft)	88 m (288.71 ft)	44 m (144.36 ft)	22 m (72.18 ft)
Smart Event					
IVS	Tripwire; intrusion				
Video					
Video Compression	H.265; H.264; H.264B; MJPEG (only supported by the sub stream)				
Smart Codec	Smart H.265+/ Smart H.264+				
Video Frame Rate	Main stream: 2592 × 1944 (1 fps-20 fps); 2688 × 1520 (1 fps-25/30 fps) Sub stream: 704 × 576 (1 fps-25 fps); 704 × 480 (1 fps-30 fps)				
Stream Capability	2 streams				

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Mobile Phone	IOS; Android
Resolution	2592×1944 (2592×1944); 2688×1520 (2688×1520); 3M (2048×1536); 2304×1296(2304×1296); 1080p (1920×1080); 1.3M (1280 × 960); 720p (1280×720); D1 (704× 576/704×480); VGA (640×480); CIF (352×288/352×240)
Bit Rate Control	CBR/VBR
Video Bit Rate	H.264: 32 kbps–8192 kbps H.265: 12 kbps–8192 kbps
Day/Night	Auto(ICR)/Color/B/W
BLC	Yes
HLC	Yes
WDR	120 dB
White Balance	Auto/natural/street/lamp/outdoor/manual/regional custom
Gain Control	Auto/Manual
Noise Reduction	3D NR
Motion Detection	OFF/ON (4 areas, rectangular)
Region of Interest (RoI)	Yes (4 areas)
Smart Illumination	Yes
Image Rotation	0°/90°/180°/270° (Supports 90°/270° with 2592 × 1944 resolution and lower.)
Mirror	Yes
Privacy Masking	4 areas
Optional Audio	
Audio Compression	G.711a; G.711Mu; G.726
Alarm	
Alarm Event	No SD card; SD card full; SD card error; network disconnection; IP conflict; motion detection; video tampering; tripwire; intrusion; illegal access; voltage detection; audio detection; safety exception; local alarm
Network	
Network	RJ-45 (10/100 Base-T)
SDK and API	Yes
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
Protocol	IPv4; IPv6; HTTP; TCP; UDP; ARP; RTP; RTSP;

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	RTCP; RTMP; SMTP; FTP; SFTP; DHCP; DNS; DDNS; QoS; UPnP; NTP; Multicast; ICMP; IGMP; NFS; PPPoE; Bonjour
Interoperability	ONVIF (Profile S/Profile G/Profile T); CGI; P2P; Milestone; Genetec
User/Host	20
Storage	FTP; Micro SD card (support max. 256 G); NAS; SFTP
Browser	IE Chrome Firefox
Management Software	Smart PSS; DSS; DMSS

Certification

Certifications	ATEX, IECEx certified
Explosion proof certification	DNV 21 ATEX 24764X 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)
Audio Output	1 channel (RCA port)
Alarm Input	1 channel In: 5mA 5VDC
Alarm Output	1 channel Out: 300mA 12VDC

Power

Power Supply	12V DC/PoE (802.3af)
Power Consumption	< 8.0W

Environment

Ambient Temperature	-40°C ~ +60°C (-40°F to +140°F), Humidity: ≤95% RH
Storage Temperature	-40°C ~ +60°C (-40°F to +140°F)
Protection	IP66, IP68 (2m, 2h)

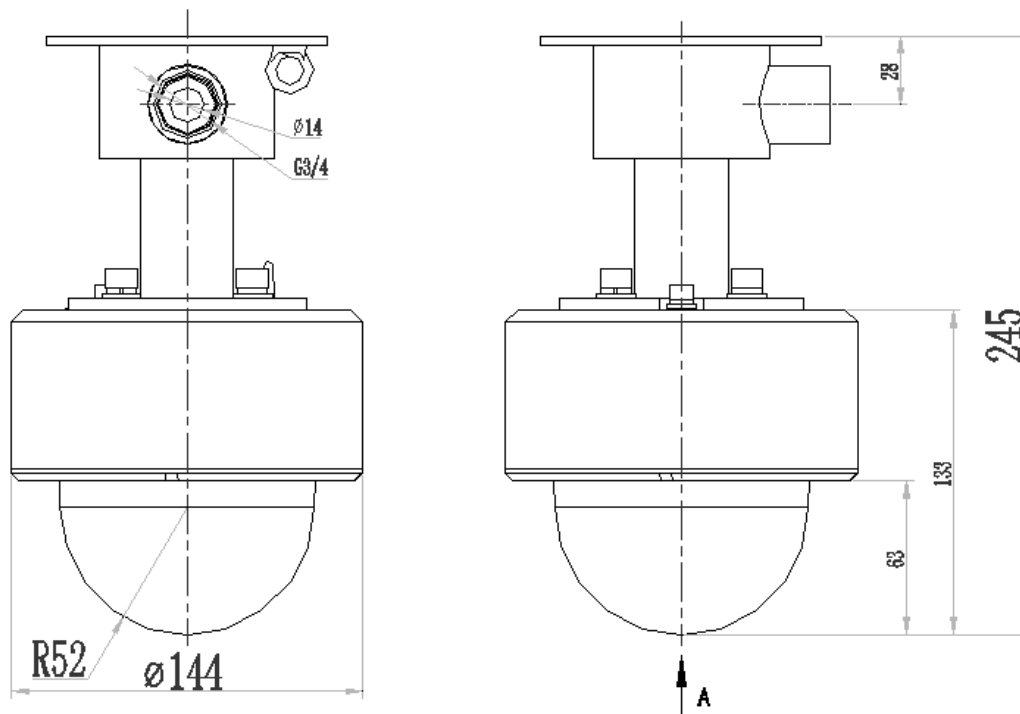
Structure

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Casing	Stainless steel 304 or 316L Optional with corrosion proof painting
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



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