

CZ109 8MP HD Intelligent IR Vari-focal lens Explosion Proof Corrosion Proof Camera



IP66 IP68 IP69

Description

The ATEX & IECEx certified CZ109 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 exist, and 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 and zone 2; Dust zone 21 and zone 22
- Ex db IIC T6 Gb/ Ex tb IIIC T80°C Db
- Max 8MP (3840*2160) @20fps
- 1/2.8" progressive scan, CMOS
- 2.8 ~ 12mm AF focusing & motorized zoom lens
- 120dB true WDR, enable clear image in strong light scene
- LightHunter technology, ensuring ultra-high image quality in low illumination environment
- Ultra 265, H.265, H.264, MJPEG
- Smart intrusion prevention
- Intelligent People Flow Counting and Crowd Density Monitoring
- Stainless steel 304/316L
- Optional electropolished or corrosion resistant paint finish
- Enclosure Protection: IP66 IP68 (2m 2h) IP69
- IR Range of 60m (196ft), 128G Micro SD card, support PoE
- Alarm:1 in/1 out, Audio: 1 in/1 out
- Support 9:16 Corridor Mode

Specification:

Camera	
Sensor	1/2.8", 8.0megapixel, progressive scan, CMOS
Minimum Illumination	Color: 0.0025 lux (F1.6, AGC ON) 0 lux with IR on
Day/Night	IR-cut filter with auto switch (ICR)
Shutter	Auto/Manual, 1 ~ 1/100000s
WDR	120dB
S/N	>56 dB
Lens	
Lens	2.8 ~ 12mm, AF automatic focusing and motorized zoom lens
Iris	Fixed
Field of View (H)	107.4° ~ 29.2°
Field of View (V)	54.2° ~ 16.3°
Field of View (D)	111.0° ~ 33.1°
DORI	

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DORI Distance	Lens (mm)	Detect (m)	Observe (m)	Recognize (m)	Identify (m)
	2.8	86.9	34.8	17.4	8.7
	12	372.4	149.0	74.5	37.2

Illuminator

IR Range	Up to 60m (196ft) IR range
Wavelength	850nm
IR On/Off Control	Auto/Manual

Video

Video Compression	Ultra 265, H.265, H.264, MJPEG
H.264 code profile	Baseline profile, Main profile, High profile
Frame Rate	Main Stream: 8MP (3840*2160), Max 20fps; 5MP (3072*1728), Max 30fps; 4MP (2560*1440), Max30fps; 1080P (1920*1080), Max 30fps; Sub Stream: 1080P (1920*1080), Max 30fps;720P (1280*720), Max 30fps; D1 (720*576), Max 30fps; 640*360, Max 30fps; 2CIF (704*288), Max 30fps; CIF (352*288), Max 30fps; Third Stream: D1 (720*576), Max 30fps; 640*360, Max 30fps; 2CIF (704*288), Max 30fps; CIF (352*288), Max 30fps;
Video Bit Rate	128 Kbps~16 Mbps
U-code	Support
OSD	Up to 8 OSDs
Privacy Mask	Up to 4 areas
RoI	Up to 8 areas
Video Stream	Triple streams

Image

White Balance	Auto/Outdoor/Fine Tune/Sodium Lamp/Locked/Auto2
Smart IR	Support
Flip	Normal/Vertical/Horizontal/180°/90°Clockwise/90°Anti-clockwise
Dewarping	Support
HLC	Support
BLC	Support
Defog	Digital Defog

Intelligent

Smart intrusion prevention	Support false alarm filtering: Cross Line detection, Intrusion detection, Enter Area detection, Leave Area detection
Statistical Analysis	People counting, support people flow counting and crowd density monitoring

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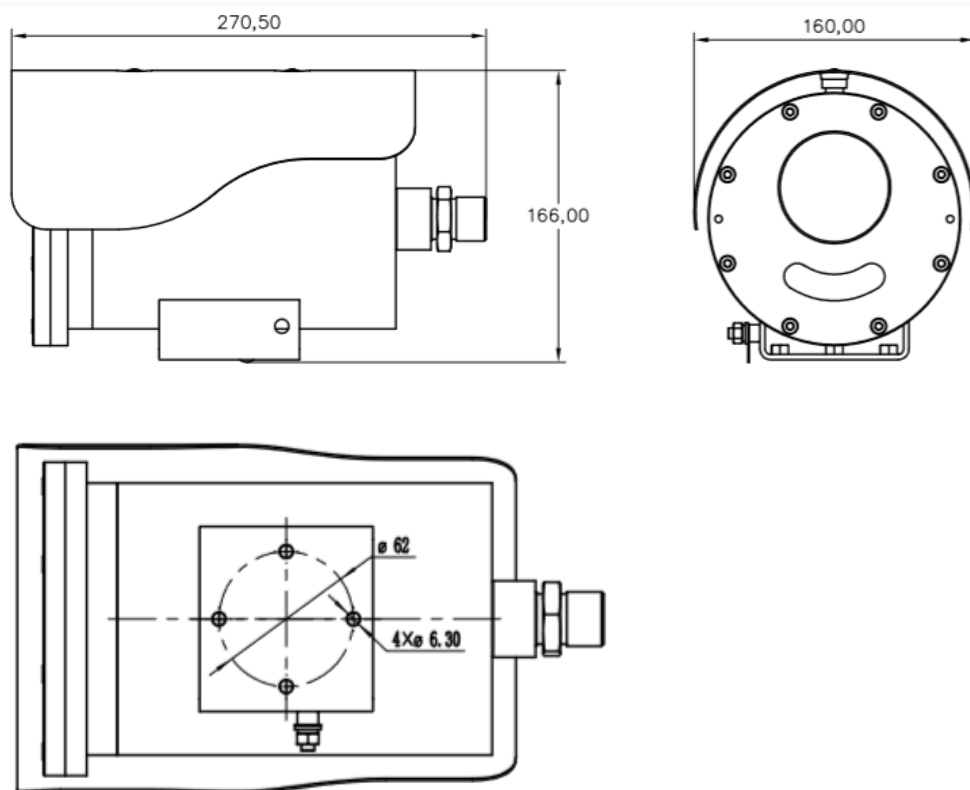
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Events	
Basic Detection	Motion detection, Ultra motion detection, Tampering alarm, Audio detection
General Function	Watermark, IP address filtering, tampering alarm, alarm input, alarm output, access policy, ARP protection, RTSP authentication, user authentication
Audio	
Audio Compression	G.711
Audio Bitrate	64 Kbps
Two-way audio	Support
Suppression	Support
Sampling Rate	8KHZ
Storage	
Edge Storage	Micro SD, up to 256GB
Network Storage	ANR, NAS(NFS)
Network	
Protocols	IPv4, IPv6, IGMP, ICMP, ARP, TCP, UDP, DHCP, PPPoE, RTP, RTSP, RTCP, DNS, DDNS, NTP, FTP, UPnP, HTTP, HTTPS, SMTP, 802.1x, SNMP, QoS, RTMP, SSL/TLS, SSH
Compatible Integration	ONVIF (Profile S, Profile G, Profile T), API, SDK
User/Host	Up to 32 users. 2 user levels: administrator and common user
Security	Password protection, strong password, HTTPS encryption, Export operation logs, basic and digest authentication for RTSP, digest authentication for HTTP, TLS 1.2, WSSE and digest authentication for ONVIF
Client	EZStation EZView EZLive
Web Browser	Plug-in required live view: IE 10 and above, Chrome 45 and above, Firefox 52 and above, Edge 79 and above
	Plug-in free live view: Chrome 57.0 and above, Firefox 58.0 and above, Edge 16 and above
Interface	
Audio I/O	Input: impedance 35kΩ; amplitude 2V [p-p]
	Output: impedance 600Ω; amplitude 2V [p-p]
Alarm I/O	1/1
RS485	N/A
Built-in Mic	N/A
Built-in Speaker	N/A
WIFI	N/A
Network	1 * RJ45 10M/100M Base-TX Ethernet

Video Output	N/A
Certifications	
Certifications	ATEX, IECEx certified
Explosion proof certification	DNV 22 ATEX 51565X IECEX DNV 22.0097X
ATEX Explosion proof marking	CE ²⁰¹⁰  II 2 G Ex db IIC T6 Gb  II 2 D Ex tb IIIC T80°C Db
IECEX Explosion proof marking	Ex db IIC T6 Gb/Ex tb IIIC T80°C Db
General	
Power	DC 12V±25%, PoE (IEEE 802.3af)
	Power consumption: Max 10.5W
Pigtail Cable	2meters standard combined cable (power+UTP)
Dimensions (L x W x H)	270.50mm x 166.00mm x 160.00mm (10.6" x 6.5" x 6.3")
Net Weight	5.6 kg (12.34 lb)
Gross Weight	6.5 kg (14.33 lb)
Material	Stainless steel 304/316L
Ambient Environment	-40°C ~ 60°C (-40°F ~ 140°F), Humidity: ≤95% RH (non-condensing)
Storage Environment	-30°C ~ 60°C (-22°F ~ 140°F), Humidity: ≤95% RH (non-condensing)
Surge Protection	6KV
Ingress Protection	IP66, IP68 (2m 2h), IP69
Reset Button	N/A
Bracket	ZAZ100B Wall bracket with adaptor

Drawings



ZAZ100B Wall bracket with adaptor



General

Material	Stainless steel 304 or 316L
Max Loading	20kg
Gross Weight	2.5kg

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Dimension

