

CZ109 2MP HD IR Vari-focal lens Explosion Proof Corrosion Proof Camera



IP66 IP68 IP69

Application Scenarios

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 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 and zone 2; Dust zone 21 and zone 22
- Ex db IIC T6 Gb/ Ex tb IIIC T80°C Db
- Stainless steel 304/316L
- Optional electropolished or corrosion resistant paint finish
- Enclosure Protection: IP66 IP68 (2m 2h) IP69
- Motorized vari-focal lens 2.8 ~ 12mm
- 2MP (1920*1080) @30/25fps; 720P (1280*720) @30/25fps
- 1/2.7" progressive scan, CMOS
- Power input: POE power supply
- Smart IR, up to 60m (164ft) IR distance
- Ultra 265, H.265, H.264, MJPEG
- Support 9:16 Corridor Mode
- 120dB true WDR
- Supports 128 G Micro SD card
- Support 9:16 Corridor Mode.

Specification:

| Camera | | | | | |
|-------------------------|---|------------|-------------|---------------|--------------|
| Sensor | 1/2.7", 2.0-megapixel, progressive scan, CMOS | | | | |
| Lens | 2.8 ~ 12mm, AF automatic focusing and motorized zoom lens | | | | |
| DORI Distance | Lens (mm) | Detect (m) | Observe (m) | Recognize (m) | Identify (m) |
| | 2.8 | 42 | 16.8 | 8.4 | 4.2 |
| | 12 | 180 | 72 | 36 | 18 |
| Angle of View (H) | 108.05° ~ 32.59° | | | | |
| Angle of View (V) | 56.81° ~ 18.36° | | | | |
| Angle of View (O) | 111.91° ~ 36.53° | | | | |
| Shutter | Auto/Manual, 1 ~ 1/100000s | | | | |
| Minimum Illumination | Colour: 0.005Lux (F1.6, AGC ON) 0Lux with IR on | | | | |
| Day/Night | IR-cut filter with auto switch (ICR) | | | | |
| Digital noise reduction | 2D/3D DNR | | | | |
| S/N | >52dB | | | | |
| IR Range | Up to 60m (209.9ft) IR range | | | | |
| Wavelength | 850nm | | | | |
| IR On/Off Control | Auto/Manual | | | | |

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| | |
|-------------------------|--|
| Defog | Digital Defog |
| WDR | 120dB |
| Video | |
| Video Compression | Ultra 265, H.265, H.264, MJPEG |
| H.264 code profile | Baseline profile, Main profile, High profile, MJPEG |
| Frame Rate | Main Stream: 1080P (1920*1080), Max 30fps; 720P (1280*720), Max 30fps Sub Stream: 720P (1280*720), Max 30fps; 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 |
| 9:16 Corridor Mode | Supported |
| OSD | Up to 4 OSDs |
| Privacy Mask | Up to 4 areas |
| ROI | Up to 8 areas |
| Motion Detection | Up to 4 areas |
| Image | |
| White Balance | Auto/Outdoor/Fine Tune/Sodium Lamp/Locked/Auto2 |
| Digital Noise Reduction | 2D/3D DNR |
| Smart IR | Supported |
| Flip | Normal/Vertical/Horizontal/180°/90°Clockwise/90°Anti-clockwise |
| Dewarping | N/A |
| HLC | Supported |
| BLC | Supported |
| Audio | |
| Audio Compression | G.711 |
| Suppression | Supported |
| Sampling Rate | 8KHZ |
| Storage | |
| Edge Storage | Micro SD, up to 128GB |
| Network Storage | ANR, NAS(NFS) |
| Network | |
| Protocols | IPv4, IGMP, ICMP, ARP, TCP, UDP, DHCP, RTP, RTSP, RTCP, DNS, DDNS, NTP, FTP, UPnP, HTTP, HTTPS, SMTP, QoS, SSL, SNMP |
| Compatible Integration | ONVIF (Profile S, Profile G, Profile T), API |
| Client | EZStation EZView EZLive |
| Web Browser | Plug-in required live view: IE9+, Chrome 41 and below, |




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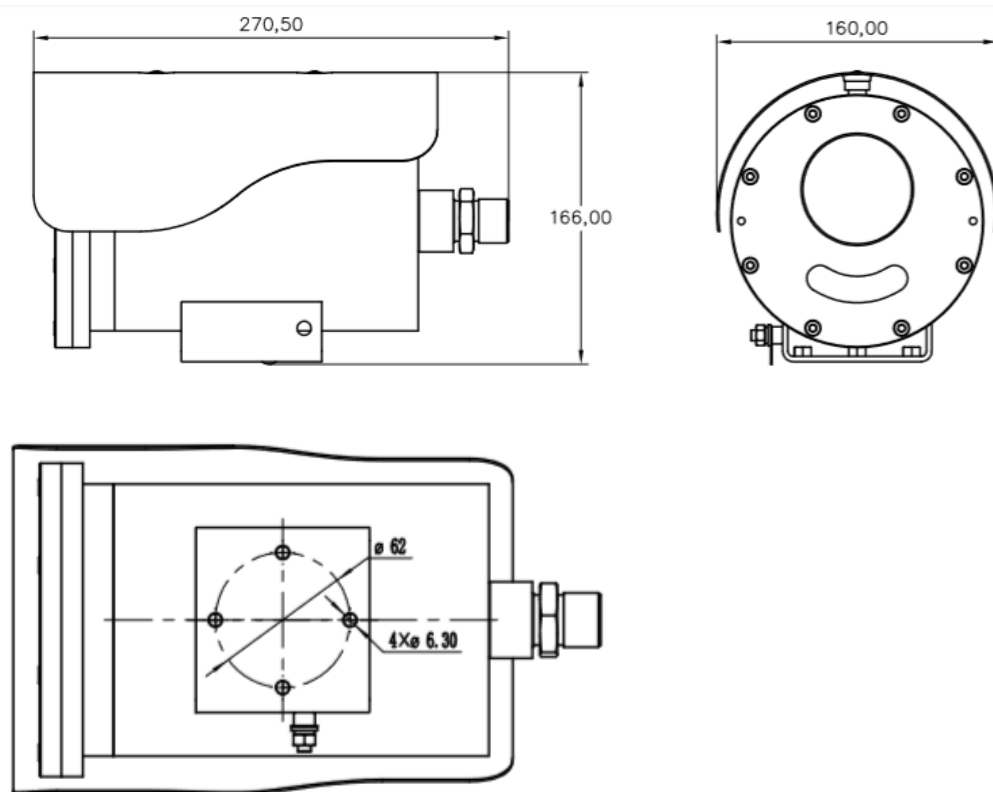
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| | |
|-------------------------------|--|
| | Firefox 52 and below |
| | Plug-in free live view: Chrome 57.0+, Firefox 58.0+, Edge 16+, Safari 11+ |
| Interface | |
| Network | 10/100M Base-TX Ethernet |
| Built-in Mic | Supported |
| Certifications | |
| Certifications | ATEX, IECEx certified |
| Explosion proof certification | DNV 22 ATEX 51565X IECEX DNV 22.0097X |
| ATEX Explosion proof marking |   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 8.5W |
| Dimensions (L x W x H) | 270.50mm x 166.00mm x 160.00mm (10.6" x 6.5" x 6.3") |
| Pigtail Cable | 2meters standard combined cable (power+UTP) |
| Net Weight | 5.6 kg (12.34 lb) |
| Gross Weight | 6.5 kg (14.33 lb) |
| 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 | Supported |
| 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

