

2MP Explosion Proof Anti-Corrosion IR Fixed WDR Network Camera

Explosion Proof Mark

Ex II 2G Ex db op is IIC T6 Gb
II 2D Ex tb op is IIIC T80 ° C Db IP68
IP66

Material

316L stainless steel enclosure and anti-corrosion spray treatment, protecting the camera from damage caused by sparks or corrosive materials

Explosion-proof design

the camera has passed international ATEX certifications, and can be used in gas and dust hazardous scenarios

Ingress Protection

IP68/IK08 water resistant and vandal proof, preventing water ingress for outdoor use



Key Features

2MP

Ultra
H.265



- **Smart** : Perimeter Protection, include Cross Line, Intrusion, Enter Area, Leave Area detection Based on target classification, smart intrusion prevention significantly reduce false alarm caused by leaves, birds and lights etc., accurately focus on human and vehicle.
- **Optics** : Day/night functionality ; Smart IR, up to 30m IR distance ; Optical glass window with higher light transmittance ; IR anti-reflection window to increase the infrared transmittance ; 2D/3D DNR (Digital Noise Reduction) .
- **Compression** : Ultra 265, H.265, H.264, MJPEG ; ROI (Region of Interest)
- **Network** : ONVIF Conformance
- **Structure** : Wide temperature range: -30°C ~ 60°C ; Wide voltage range of ±25% ; IP68 ; Made of SS304 or SS316L material , Used for potentially explosive atmosphere and corrosive areas. Also widely used for marine environment.
- **IR-Cut Removable (ICR) Filter** for Day/Night switching High-efficiency infrared/white light array lamp, low thermal energy, low power consumption, infrared distance up to 30m.



Specification

Camera	
Sensor	1/2.8", 2.0 megapixel, progressive scan, CMOS
Lens	2.8mm@F1.6
	Lens (mm) Detect (m) Observe (m) Recognize Identify (m)
DORI Distance	2.8 43.4 17.4 8.7 4.3
	4.0 62.1 24.8 12.4 6.2
Angle of View (H)	106.7° 87.5°
Angle of View (V)	57.1° 46.3°
Angle of View (O)	115.7° 92.4°
Adjustment Angle	Pan: 0° ~ 360° Tilt: 0° ~ 90° Rotate: 0° ~ 360°
Shutter	Auto/Manual, 1 ~ 1/100000s
Minimum Illumination	Colour: 0.001Lux (F1.6, AGC ON)
Digital Noise Reduction	2D/3D DNR
Day/Night	IR-cut filter with auto switch (ICR)
S/N	>52dB
IR Range	Up to 40m (131 ft) IR range
Wave Length	850nm
IR On/Off Control	Auto/Manual
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
Frame Rate	Main Stream: 2MP (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; 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
OSD	Up to 8 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	Support
Flip	Normal/Vertical/Horizontal/180°/90°Clockwise/90°Anti-clockwise
Dewarping	Supported
HLC	Supported
BLC	Supported

Specification

Smart

Smart Intrusion Prevention (Deep Learning Algorithm)	Cross Line, Intrusion, Enter Area, Leave Area detection
Behavior Detection	Motion detection, Tampering alarm
Recognition	Audio detection
General Function	Watermark, IP Address Filtering, Tampering Alarm, Access Policy, ARP Protection, RTSP Authentication, User Authentication

Network

Protocols	IPv4, IGMP, ICMP, ARP, TCP, UDP, DHCP, PPPoE, RTP, RTSP, RTCP, DNS, DDNS, NTP, FTP, UPnP, HTTP, HTTPS, SMTP, 802.1x, SNMP, QoS
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, Firefox 52 and below Plug-in free live view: Chrome 57.0+, Firefox 58.0+, Edge 16+, Safari 11+

Interface

Network	1 RJ45 10M/100M Base-TX Ethernet
Built-in Mic	Supported

Certifications

Certifications	CE: EN 60950-1 FCC: FCC Part 15 ATEX:EN60079
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General

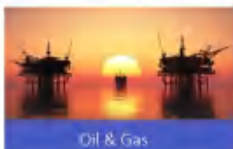
Power	DC 12V±25%, PoE (IEEE 802.3af)
Dimensions (L × W × H)	170× 140× 139mm
Net Weight	2.5kg
Material	Stainless Steel 304 or 316L
Working Environment	-40°C ~ 60°C , Humidity: ≤95% RH (non-condensing)
Storage Environment	
Surge Protection	2KV
Ingress Protection	IP68
Infrared Distance	30m

Approval

Protection	IK08 (IEC 62262:2002), IP68 (IEC 60529-2013)
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Explosion-Proof Protection	ATEX: II 2G Ex db IIC T6 Gb/ II 2D Ex tb IIIC T80°C Db IP68 IECEx: Ex db IIC T6 Gb /Ex tb IIIC T80°C Db IP68 ; For explosive gas atmospheres, the maximum surface temperature is 85°C; For flammable dust atmospheres, the maximum surface temperature is 80°C; IIC: for explosive gas atmospheres other than mines susceptible to firedamp ; For explosive gas mixture atmospheres: Zone 1, Zone 2, Zone 21, Zone 22.
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Application Scenarios



Oil & Gas



Refineries & Fuel Depots



Surveillance & Security



Chemie & Pharma



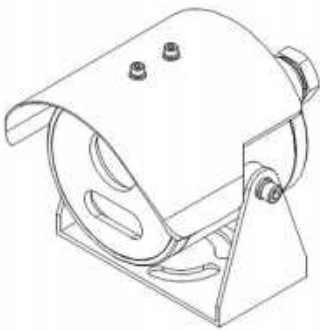
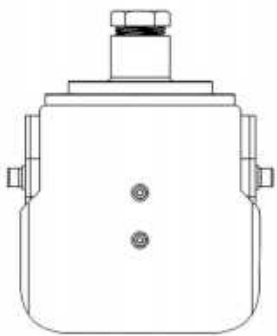
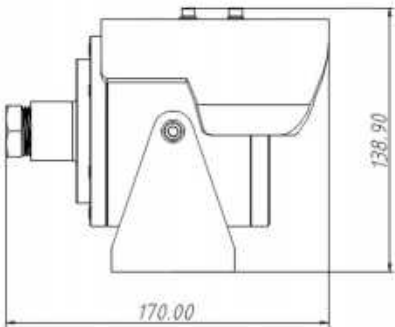
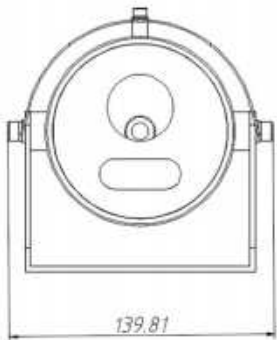
Oil tankers

Other application areas : desert drill sites , offshore rigs , mechanical engineering ,biogas plants , military, electric power, hydraulic power, railway, metallurgy, natural gas extraction, drilling platform, aerospace, marine, armed police, border defense ,vessels ,fireworks production ,ports etc

Group II (Gas & Dust)	ATEX / IECEx / EAC-Ex				
Zone	0	1	2	21	22
Application	✗	✓	✓	✓	✓

Group I (Mining)	ATEX / IECEx..	
Category	Ma	Mb
Application	✗	✗

DIMENSIONS



Accessories



Bracket



Ex-Proof Hose



Ex-Proof Junction Box