

4MP 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 IIC T80 ° C Db IP68
IP66

Explosion-proof design

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

Material

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

Ingress Protection

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



Key Features

4MP

Ultra H.265

WDR

IP68

IR 10



- The highest resolution can reach 4 mega pixel (2560*1440), and the maximum output of full HD 2560*1440@30fps real-time images.
- Support H.265/H.264 video compression algorithm, support multi-level video quality configuration.
- Starlight ultra-low illumination, 0.001Lux (color), 0.0005Lux/F1.5 (black and white), 0 Lux with IR.
- Support fog penetration, which greatly improves the foggy weather effect of the image.
- Support three-stream technology, each stream can independently configure the resolution and frame rate.
- Support backlight compensation, automatic electronic shutter and other functions, adapt to different monitoring environments.
- Support 3D digital noise reduction, strong light suppression, 120dB optical wide dynamic range
- Support timing capture function.
- Support 1 way light control interface.
- Support 1 channel audio input and 1 channel audio output.
- Built-in 1-way alarm input and 1-way alarm output, support alarm linkage function.
- Support USB ; Support ONVIF.
- 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	
Image Sensor	1/2.8" Progressive Scan CMOS
Minimum Illumination	Color:0.001 Lux @(F1.7,AGC ON);B/W:0.0005Lux @(F1.5,AGC ON)
Shutter	1/25s to 1/100,000s; Supports delayed shutter
Day/Night Switch	Support IR-CUT, the internal resistance of IR-CUT coil is 20 ohms, the power- on time is less than 200ma, and the voltage is 3.5V-6V
Lens	
Focal Length	2.8mm/4mm/6mm etc
Horizontal Field of View	90°
Main Stream	50Hz: 25fps (2560×1440, 1280 × 960, 1280 × 720); 60Hz: 30fps (2560×1440, 1280 × 960, 1280 × 720)
Image (Maximum Resolution: 2560*1440)	
Image Settings	Saturation, Brightness, Contrast and Sharpness can be adjusted via the client- side or browser
BLC	Support
Optical Defog	Support
Day/Night Switch	Automatic, manual, timing, alarm trigger
Network	
3D Noise Reduction	Support
Storage Function	Support USD Extend to Micro SD / SDHC / SDXC card (256g) offline local storage, NAS (NFS, SMB / CIFS support)
Protocols	TCP/IP,ICMP,HTTP,HTTPS,FTP,DHCP,DNS,RTP,RTSP,RTCP,NTP,SMTP,SNMP,IPv 6
Interface	
Interface Protocol	ONVIF(PROFILE S /G/T)
External Interface	2PIN power port, 6PIN network port, 1 channel alarm input and output, 1 channel audio input and output, USB port, IR-CUT interface, 1 photoresistor and PMW light off control port
General	
Power	DC 12V±25%, PoE (IEEE 802.3af)
Dimensions (L × W × H)	170× 140 × 139mm
Net Weight	2.5kg
Material	Stainless Steel 316L
Working Environment	-40°C ~ 60°C , Humidity: ≤100% RH (non-condensing)
Storage Environment	-40°C ~ 60°C , Humidity: ≤100% RH (non-condensing)
Surge Protection	2KV
Ingress Protection	IP68
Infrared Distance	30m
Approval	
Protection	IK08 (IEC 62262:2002), IP68 (IEC 60529-2013)
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.

Application Scenarios



Oil & Gas



Refineries & Fuel Depots



Surveillance & Security



Chemie & Pharma



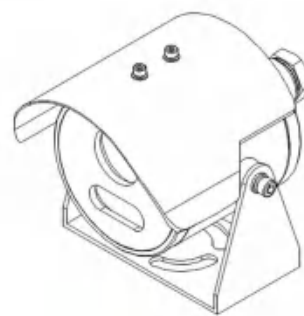
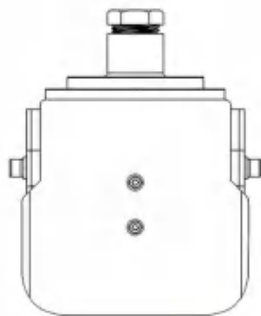
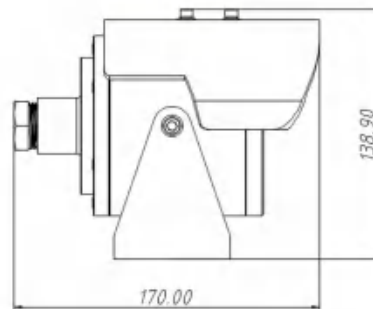
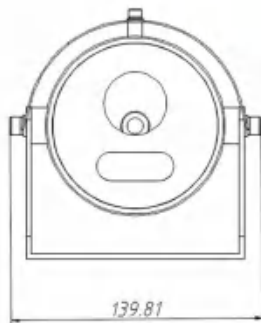
Oil tankers

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