

4 MP 25X Explosion Proof Anti-Corrosion Network IR PTZ 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

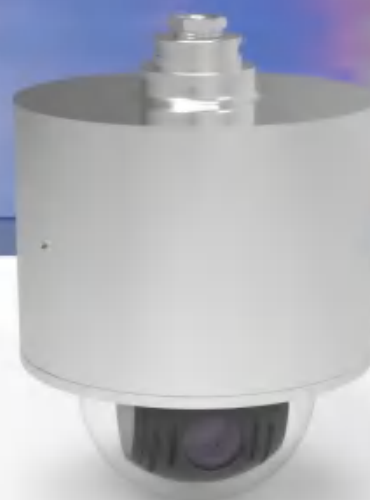
316L stainless steel enclosure and anti-corrosion spray treatment, protecting the camera from damage caused by sparks or corrosive materials

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

4MP

Ultra
H.265



- High quality imaging with 4 MP resolution, up to 30 fps
- Excellent low-light performance via powered-by-DarkFighter technology
- Clear imaging against strong back lighting due to 120 dB WDR technology
- Pan and tilt ability enables camera to monitor zones of interest
- 25 × optical zoom allows for closer viewing of subjects in expansive areas
- Up to 50 m IR range ensures safety at night
- Water and dust resistant (IP66)
- Focuses on human and vehicle targets classification based on deep learning



Specification

Camera

Image Sensor	1/1.8" Progressive Scan CMOS
Minimum Illumination	Color:0.0005 Lux @(F1.5,AGC ON);B/W:0.0001Lux @(F1.5,AGC ON)
Shutter	1/25s to 1/100,000s; Supports delayed shutter
Autoiris	DC
Day/Night Switch	IR cut filter
Digital Zoom	16X

lens

Focal Length	6.7-167.5mm, 25X Optical Zoom
Aperture Range	F1.5-F3.4
Horizontal Field of View	59.8-3° (wide-tele)
Minimum Working Distance	100mm-1500mm (wide-tele)
Zoom Speed	Approximately 3.5s(optical lens, wide to tele)

Compression Standard

Video Compression	H.265 / H.264 / MJPEG
H.265 Type	Main Profile
H.264 Type	BaseLine Profile / Main Profile / High Profile
Video Bitrate	32 Kbps~16Mbps
Audio Compression	G.711a/G.711u/G.722.1/G.726/MP2L2/AAC/PCM
Audio Bitrate	64Kbps(G.711)/16Kbps(G.722.1)/16Kbps(G.726)/32-192Kbps(MP2L2)/16-64Kbps(AAC)
Image (Maximum Resolution: 2560*1440)	
Main Stream	50Hz: 25fps (2560*1440, 1920 × 1080, 1280 × 960, 1280 × 720); 60Hz: 30fps (2560*1440,
Third Stream	50Hz: 25fps(704 × 576); 60Hz: 30fps(704 × 576)
Image Settings	saturation, brightness, contrast, sharpness adjusted by IE/ Client
BLC	Support
Exposure Mode	AE / Aperture Priority / Shutter Priority / Manual Exposure
Focus Mode	Auto Focus / One Focus / Manual Focus / Semi-Auto Focus
Area Exposure / Focus	Support
Image Stabilization	Support
Day/Night Switch	Automatic, manual, timing, alarm trigger
3D Noise Reduction	Support
Picture Overlay Switch	Support BMP 24-bit image overlay, customizable area
Region of Interest	ROI supports three streams and four fixed areas

NetWork

Storage Function	Support Micro SD / SDHC / SDXC card (256G) disconnected local storage, NAS (NFS, SMB / CIFS
Protocols	TCP/IP,ICMP,HTTP,HTTPS,FTP,DHCP,DNS,RTP,RTSP,RTCP,NTP,SMTP,SNMP,IPv6
Interface Protocol	ONVIF(PROFILE S,PROFILE G)

Smart Features

Intelligent Computing Power	1T
Smart Detection	Cross-border detection, area intrusion detection, leaving area detection, hovering detection,
Interface	
External Interface	36pin FFC (Network port、RS485、RS232、SDHC、Alarm In/Out、Line In/Out、power)

Specification

General	
Power	AC 100-240 V
Dimensions (L × W × H)	188× 188 × 260mm
Net Weight	≤5.5kg
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
Inlet Hole	1 Entry hole G3/4"
Specification	
Installation Method	Wall or column platform installation
PTZ	
Rotation Angel	Horizontal: 0°-360° Vertical: -90°-0°
Approval	
Protection	IK08 (IEC 62262:2002), IP68 (IEC 60529-2013) 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
Explosion-Proof Protection	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

Application Scenarios



Oil & Gas



Refineries & Fuel Depots



Surveillance & Security



Chemie & Pharma



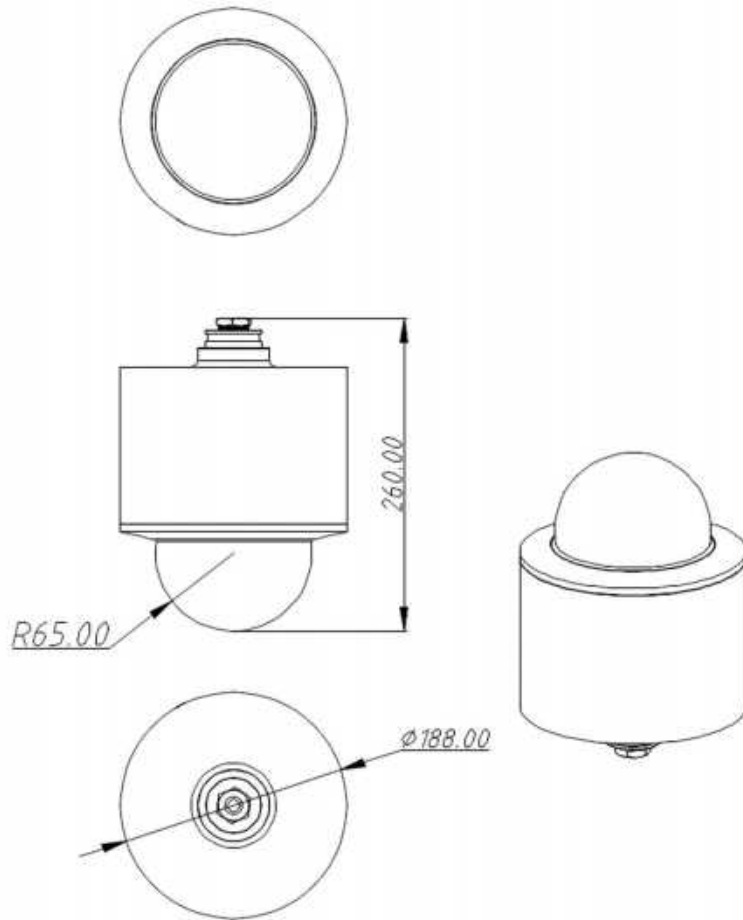
Oil tankers

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