KDH-EX-VL22501

2MP 25X ExplosionProof Anti-Corrosion Network Starlight Bullet Camera with Wiper

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

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

- 2MP
- Ultra H.265
- WDR
- IP66
- IK 10
- Mask
- Ultra Low Light

- Support LVDS and network.
- Supports deep algorithm learning to improve the performance of intelligent event algorithms.
- Resolution up to 2MP （1920×1080） ,Output Full HD :1920×1080@30fps Live Image.
- Starlight Low Illumination， 0.0005Lux/F1.5(color),0.0001Lux/F1.5(B/W) ,0 Lux with IR.
- 25X Optical Zoom， 16X Digital Zoom.
- ICR automatic switching, 24 hours day and night monitoring.
- Excellent low illumination effect.
- Support 3A control (auto white balance, auto exposure, auto focus).
- Support Backlight Compensation, Automatic Electronic Shutter ,adapt to different monitoring environment.
- Support 3D Digital Noise Reduction, High light Suppression, Electronic Image Stabilization, 120dB Optical Wide Dynamic.
- Supports optical fog transmission, which greatly improves the foggy image effect.
- Intelligent wiper function, the wiper adopts automobile wiper blade, which has good weather resistance and easy replacement.

REV 1.02.07.24

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)
Image（Maximum Resolution：1920 × 1080）	
Main Stream	50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720); 60Hz: 30fps (1920 × 1080, 1280 × 960,
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
Fog	Support
Image Stabilization	Support
Day/Night Switch	Automatic, manual, timing, alarm trigger
3D Noise Reduction	Support
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
Interface	
External Interface	36pin FFC (Network port、RS485、RS232、SDHC、Alarm In/Out、Line In/Out、power)
General	
Power	DC 12V±25% AC100V-240V optional
Dimensions (L × W × H)	430*183*176mm
Net Weight	≤8kg
Material	Stainless Steel 316L
Working Environment	-40°C ~ 60°C , Humidity: ≤100% RH (non-condensing)
Strorage Environment	-40°C ~ 60°C , Humidity: ≤100% RH (non-condensing)
Surge Protection	2KV
Ingress Protection	IP68
Inlet Hole Specification	1 Entry hole G3/4"
Installation Method	Wall or column platform installation
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

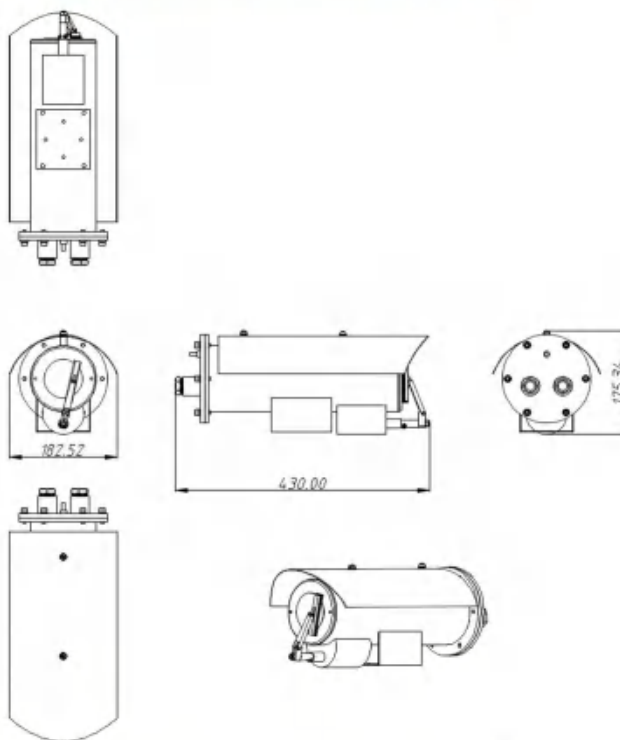| Oil & Gas | Refineries & Fuel Depots | Surveillance & Security | Chemie & Pharma | Oil tankers |

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

182.52

430.00

175.34

Accessories

Bracket   Ex-Proof Hose   Ex-Proof Junction Box