

2MP 20X Explosion Proof Anti-Corrosion Starlight Zoom Bullet 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



- The highest resolution is 2 mega pixel (1920*1080), and the maximum output of full HD 1920*1080 @ 30 fps real-time images
- support H.265/H.264 Video compression algorithm, which supports multi-level video quality configuration and encoding complexity setting
- Starlight ultra-low illumination, 0.001 Lux / F1.69 (color), 0.0005 Lux / F1.69 (black and white), 0 Lux with IR
- Support 20 x optical zoom ; ICR infrared filter type automatic switch, to achieve the real day and night monitoring
- Support three code flow technology, each code stream can be independently configured resolution and frame rate
- Support backlight compensation, automatic electronic shutter and other functions, to adapt to different monitoring environment
- Support 3D digital noise reduction, strong light suppression, 120dB optical wide dynamics
- Supports 255 preset bits, 8 cruise scanning ; Support the function of timing grasp map and event grasp map ; Support one-key watch, one-key cruise function ; Support 1 audio input and 1 audio output ; Support ONVIF and GB / T28181 access



Specification

Camera parameters

Sensor Type	1/2.8" Progressive Scan CMOS
Minimal Illumination	Color: 0.001 Lux @ (F1.69, AGC ON); black and white: 0.0005 Lux @ (F1.69, AGC ON)
Electronic Shutter	1 / 25 seconds to 1 / 100,000 seconds; slow shutter support
Day and Night Conversion Mode	Automatic ICR infrared filter type

Lens parameters

Focal Distance	5.5-110mm, 20 x optical zoom
Iris Diaphragm	F1.69-F 3.72
Horizontal Field of View Angle	45-3 degrees (wide Angle-looking far)
Near Camera Distance	100mm-1500mm (wide Angle-far)
Change the Speed	About 3 seconds (optical, wide Angle-looking)

Compression standard

Video Compression Standard	H.265 / H.264
H.265 Ending Type	Main Profile
H.264 Ending Type	BaseLine Profile / Main Profile / High Profile
Video Compression Code Rate	32 Kbps~16Mbps
Audio Compression Standard	G.711a/G.711u/G.722.1/G.726/MP2L2/AAC/PCM
Audio Compression Code Rate	64Kbps(G.711)/16Kbps(G.722.1)/16Kbps(G.726)/32-192Kbps(MP2L2)/16-64Kbps(AAC)

Image parameters (maximum image size: 19201080)

Main Code Flow Resolution	50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720); 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720)
Third Code Stream Resolution with Frame Rate	Independent of the main code stream setting, maximum support: 50Hz: 25 fps (704 576); 60Hz: 30 fps (704 576)
Image Settings	Saturation, brightness, contrast, and sharpness are adjustable through the client or browser
Backlight Compensation	Supported, and can have customizable areas
Exposure Mode	Automatic exposure / aperture priority / shutter priority / manual exposure
Focus Mode	Auto focus / primary focus / manual focus / semi-automatic focus
Area Exposure / Focus	support
Through the Fog	support
Day and Night Conversion	Automatic, manual, timed, alarm triggered
3D Noise Reduction	support
Picture Superposition	Support BMP 24 bit image superposition, can be customized area
Area-of-Interest	ROI supports three code streams to set four fixed areas

Network function

Memory Function	Support USB extension Micro SD / SDHC / SDXC card (256G) disconnected local storage, NAS (NFS, SMB / CIFS)
Support Agreement	TCP/IP,ICMP,HTTP,HTTPS,FTP,DHCP,DNS,RTP,RTSP,RTCP,NTP,SMTP,SNMP,IPv6
Interface Protocol	ONVIF (PROFILE S, PROFILE G), GB28181-2016, domestic mainstream manufacturer agreement

interface parameters

External Interface	36pin FFC (including network port, RS485, RS232, SDHC, Alarm In / Out, Line In / Out, power supply), USB port
--------------------	---

Specification

General

Power	DC 12V±25% AC100 -240V optional
Dimensions (L × W × H)	336×140×145mm
Net Weight	≤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	2 Entry hole G3/4"
Specification	
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

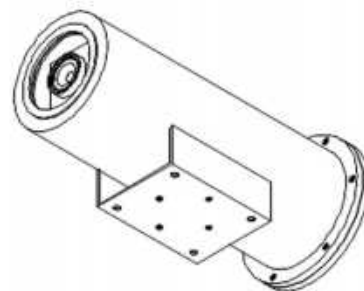
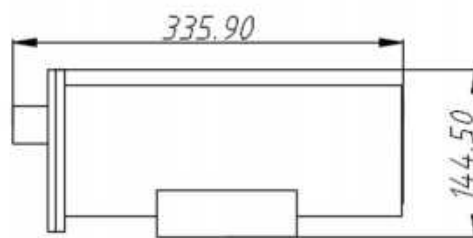
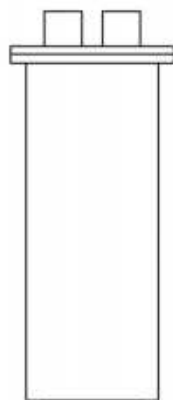
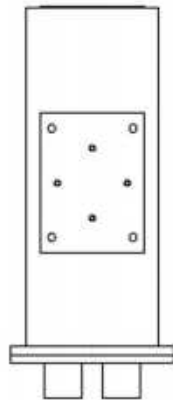


Other application areas : desert drill sites , offshore rigs , mechanical engineering ,biogas plants , military, electric power, hydraulic power, railway, metallurgy, natural gas extraction, drilling platform, aerospace, marine, armed police, border defense ,vessels ,fireworks production ,ports etc

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