



Explosion Proof PTZ Camera with IR

Model No. SE-02-005EX

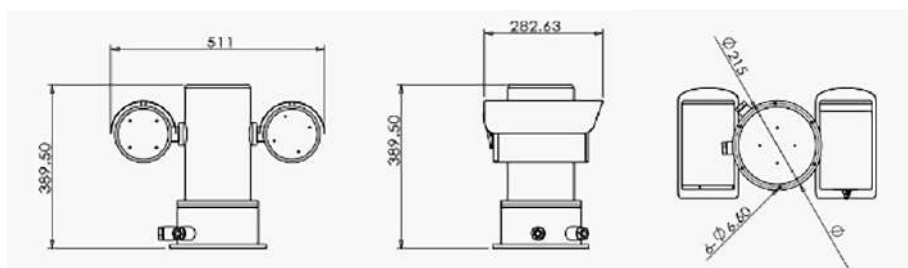


Product Description:

Applicable to environments where explosive mixtures are formed from Class IIA, IIB, and IIC T1-T6 group flammable gases, steam with air in Zones No.1 and No.2, and where explosive hazardous areas can appear due to the mixture of flammable dust and air in Zones No.21, and No. 22. Such locations include oil fields, chemical plants, ports, oil storage facilities, steamships, oil drilling platforms, gas stations, coal mines, aviation facilities, military installations, steel plants, firecracker production facilities, machinery factories, food processing, storage units and so on.

Product Features:

- ❑ Introducing a highly integrated explosion-proof PTZ with IR solution with compact design, advanced intelligence, and superior functionality.
- ❑ Powerful Infrared Capabilities: Illuminate and monitor effectively in low-light and night time conditions.
- ❑ 360° horizontal rotation, -90° to +90° vertical range for comprehensive monitoring.
- ❑ Crystal-clear 2MP resolution, Full HD live image at 30fps.
- ❑ Robust stainless steel (304L), double-plate waterproof tempered glass for impact resistance and heat dissipation.
- ❑ Explosion-proof, dust-proof, water-proof, rust-proof.
- ❑ Smart detection features: Line Crossing, Intrusion, Region Enter/Exit.
- ❑ Cutting-edge image enhancements: 3D Digital Noise Reduction, Highlight Suppression, Electronic Image Stabilization, 120dB Optical Wide Dynamic.
- ❑ Optional temperature control module for automatic heating/cooling.



Product Specifications

Certificate of Conformity

Marking	Ex II 2G Ex db II C T6 Gb/ II 2D Ex tb III T (Max 80°) Db
Certificate No.	IEP 17ATEX 0549

Mechanical Features

Material	304 Stainless Steel
Surface Treatment	Original Stainless Steel Color, Electropolishing Optional
Ingress Protection	IP68
Rotation Angle	Horizontal 0°~360°, Vertical 90°~+90°
Rotation Speed	Horizontal 0.1°/s~30°/s, Vertical 0.1°/s~30°/s
InterfaceSpec	M25
Weight	≤28kg
Automatic Scanning	1 (Menucontrol canset5)
Automatic Cruise	1 (Menucontrol canset8)
Tracking	1 (Record200instructions)
Max Carrying Capacity	10kg
Method of Installation	Wall Mounting & Upright Platform Installation
Communication Method	RS422/485
RS-485 Protocols	Pelco-P, Pelco-D, self-adaptive
Communication Baud Rate	2,400/4,800/9,600/19,200 bps
Connector	M25

Camera

Sensor Type	1/2.8" Progressive Scan CMOS
Minimum Illumination	Color: 0.001Lux@(F1.5, AGCON)
	B/W: 0.0005Lux@(F1.5, AGCON)
Day/Night Switch	IR cutfilter
Digital Zoom	16x
Image Resolution	50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720)
	60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720)
Electronic Shutter	1/25s~1/100,000s

Lens

Focal Length	5.5mm~180mm, 33xOpticalZoom
Horizontal field of view	60.5-2.3° (wide-tele)
Minimum Working distance	100mm-1000mm (wide-tele)
Zoom Speed	Approx.3.5s (Optical Lens, Wide-Tele)
Aperture Range	F1.5 - F4.0

IR

Distance	80/100m
Wavelength	850nm
Switch	Auto(≤ 10 Lux)

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 Parameters

Main Stream	50Hz: 25fps (1920×1080,1280×960,1280×720); 60Hz: 30fps (1920×1080, 1280×960,1280×720)
Third Stream	50Hz: 25fps (1920×1080); 60Hz:30fps (1920×1080)
Image settings	Corridor mode, saturation, brightness,contrast, sharpness adjusted byIE/ Client
BLC	Support
Exposure mode	AE/AperturePriority/ShutterPriority/ManualExposure
Focus mode	AutoFocus/OneFocus/ManualFocus/Semi-AutoFocus
Area exposure/focus	Support
Optical fog	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

Electrical Features

Power Supply	AC110-220V
Working Current	≤ 2000 mA
Electrical Connectivity	Composite Cable (Network cable + Power cable)
Automatic Mode	Automatic Cruiseor Any Setting Two Rounds
Pre-position	256 Location (Selectable)
Pre-position Accuracy	Auto Correction Error

Smart Features

Smart Features	Cross-border detection, area intrusion detection, entering / leaving area detection, hovering detection, personnel gathering detection, fast motion detection, parking detection / take detection, scene change detection, audio detection, False focus detection, face detection.
Intelligent Detection	Transboundary detection, area intrusion detection, entry/exit area detection, loitering detection, crowd detection, rapid movement detection, parking detection, leave/ take detection, Scene change detection, audio detection, virtual focus detection, face detection

Network Function

Protocol	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, RTP, RTSP,
	RTCP, NTP, SMTP, SNMP, IPv6
Interface Protocol	ONVIF (PROFILES, PROFILE G), GB28181-2016

Environmental

Operating Temperature	-30°C~70°C (-22°F~149°F)
Atmospheric Pressure	80-106KPa
Operating Humidity	≤95%RH(+25°C)



Scan for more details

www.sharpeagle.uk