

Ex-Proof Mini IR Camera (IP & POE)

Model No. SE-02-031(IP1)




Product Description:

Applicable to environment where explosive mixtures are formed from Class IIA, IIB, and IIC T1-T6 group flammable gases, steam with air in Zone No.1 and No.2, and where explosive hazardous areas can arise due to the mixture of flammable dust and air in Zone 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, fire cracker production facilities, machinery factories, food processing, storage units and so on.

Product Features:

- ☐ Introducing an innovative 3D intelligent ring design with versatile camera installation, adaptable to any angle, ensuring a crisp horizontal image.
- ☐ Compact, lightweight, and effortlessly installable, it seamlessly integrates with GPS, car NVR, and recorders, serving as a crucial image acquisition tool for monitoring hazardous goods logistics.
- ☐ The camera features automatic IR CUT conversion for seamless day-to-night transitions, delivering high-quality images with vivid colors. Synchronized infrared lights guarantee excellent nighttime visuals.
- ☐ Crafted from high-grade 304 stainless steel with a pristine original color surface treatment, this device is built to withstand explosions, dust, water, and corrosion.
- ☐ With a visible infrared range of 15m-25m, it excels even in challenging low-light environments, providing high-quality imagery.
- ☐ The optics-class toughened ultra-clear white explosion-proof glass, boasting a flux rate exceeding 96%, eliminates infrared light halos, ensuring uncompromised clarity.

Product Specifications

Marking	 II 2G Ex db IIC T6 Gb II 2D Ex tb IIIC (85°C) Db
Certificate No.	IEP14ATEX0251

Mechanical Features

Material	304 or 316L Stainless Steel
Surface Treatment	Original Stainless-Steel Color
Ingress Protection	IP68
Interface Spec	M20
Weight	≤1.5 kg
Method of Installation	Ceiling Type & Wall Mounting

Camera

Image Sensor	1/2.8"CMOSGK7205V210+SC5239S
Max Resolution	2560*1440
Lens	4mm/6mm/8mm optional
Electronic Shutter	1/50S(1/60S)~1/10,000S
Min Illumination	Color:0.01Lux@F1.2 B/W:0.001Lux@F1.2
Image Output	Main Stream: 2560*1440 @18fps, 2304*1295@20fps, 1920*1080@25fps SubStream: 800*448@25fps
WDR	Support
Noice Reduction	2D/3D

IR

IR Distance	15-25m
Wavelength	850nm
On/Off	Auto(≤10Lux)
Illuminator Number	2(IRLED)

Video

Video Compression	H.265+(compatibleH.265/H.264)
Stream Capability	2streams
Video BitRate	0.1M~8 Mbps adjustable

Function

Other Function	WEB configuration, OSD, motion detection, face detection, lightning protection
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Network

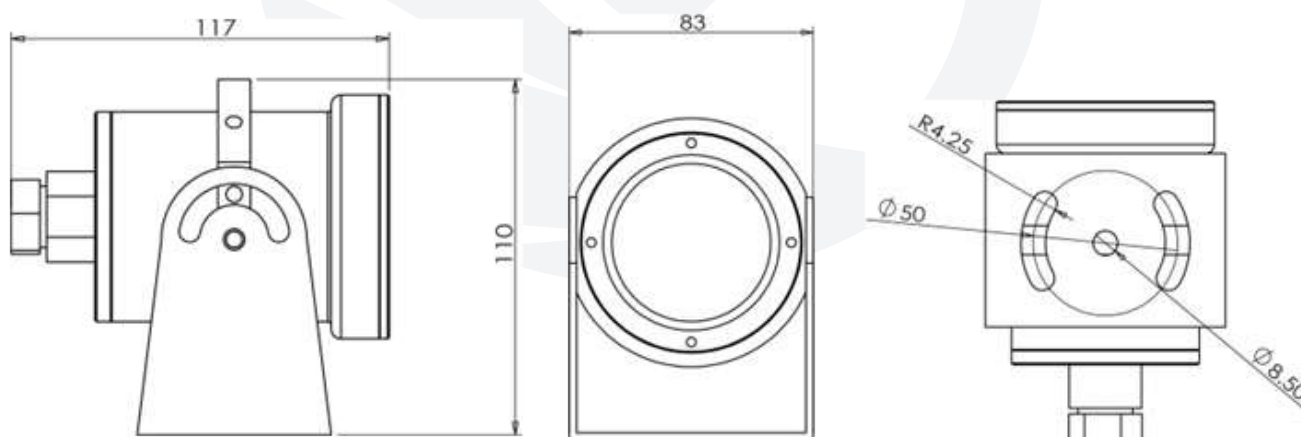
Protocols	RTSP/FTP/DHCP/NTP/UPnP/HTTP etc
Onvif	Support
Mobile Client	IOS, Android

Electrical Features

Power Supply	DC12V/PoE
Working Current	≤1A
Cable Output	Integrated cable, 2 meters

Environmental

Operating Temperature	-30°C+60°C (-22°F~140°F)
Atmospheric Pressure	80-106KPa
Operating Humidity	≤95%RH (+25°C)



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