



Explosion-Proof PTZ Camera

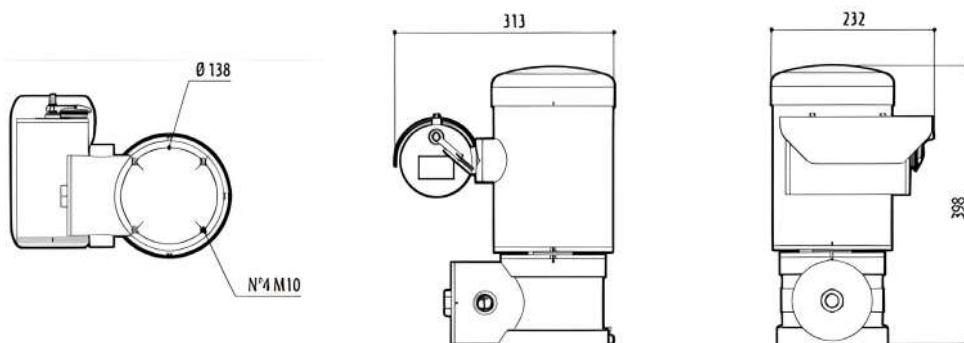
Model No. SE-02-004EX

Product Description:

Applicable for environments having the explosive mixtures formed from class IIA, IIB and IIC T1-T6 group flammable gas, steam with air in zones No.1, No.2, and appearing the explosive hazardous area due to the mixture of flammable dust and air in zones No.21 and No.22, such as oil field, chemical plant, port, oil storage, steamship, oil drilling platform, gas stations, coal mine, aviation, military, steel, fire crackers production, machinery, food processing, storage units and so on.

Product Features:

- ❑ Introducing a highly integrated explosion-proof PTZ solution with compact design, advanced intelligence, and superior functionality.
- ❑ 360° horizontal rotation, -90° to +90° vertical range for comprehensive monitoring.
- ❑ Crystal-clear 2MP resolution, FullHD live image at 30fps.
- ❑ Robust stainless steel (304/316L), 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
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
Interface Spec	M25
Weight	<28kg
Automatic Scanning	1 (Menu control can set 5)
Automatic Cruise	1 (Menu control can set 8)
Tracking	1 (Record 200 instructions)
Max Carrying Capacity	10kg
Method of Installation	Wall Mounting & Upright Platform Installation

Camera

Sensor Type	1/2.8" Progressive Scan CMOS
Image resolution	50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720)
Minimum Illumination	Color: 0.001Lux @ (F1.5, AGC ON) , B/W: 0.0005Lux @ (F1.5, AGC ON)
Defog, 3D DNR, BLC	Support
Electronic Shutter	1/25s~1/100,000s
Digital Zoom	16x

Lens

Focal Length	5.5mm~180mm, 33x Optical Zoom
Zoom Speed	Approx.3.5s (Optical Lens, Wide-Tele)
Aperture Range	F1.5-F4.0

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

Electrical Features

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 by IE/ Client
BLC	Support
Exposure mode	AE/ AperturePriority/ Shutter Priority/ Manual Exposure
Focus mode	Auto Focus/ One Focus/ Manual Focus/ Semi-Auto Focus
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

Smart Features

Smart Features	Face Detection, Audio Exception Detection, Intrusion Detection, Line Crossing Detection, Region Entrance Detection, Region Exiting Detection
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Electrical Features

Power Supply	AC110-220V
Working Current	<2000mA
Electrical Connectivity	Composite Cable
Automatic Mode	Automatic Cruise or Any Setting Two Rounds
Pre-position	256 Location(Selectable)
Pre-position accuracy	Automatic Correction Error

Environmental

Rated Temperature	(-30°C, +70°C)
Atmospheric Pressure	80-106KPa
Relative Humidity	<95%RH(+25°C)