EX-M82
25M Explosion-proof IR Mobile Camera

Applicable for the factories having the explosive mixtures formed from class IIA,IIB and IIC T1-T6 group flammable gas, steam with air in area No.1 , No.2, and appearing the explosive hazardous area due to the mixture of flammable dust and air in area No.20,No.21 and No.22, such as oil field, chemical plant, port, oil storage, steamship, oil drilling platform, gas stations, coal mine, aviation, military, medicine, steel, firecrackers production, machinery, food processing and storage and so on.

Tailor-made for tanker, dangerous good transport vehicles, tankers, small warehouses, chemical reagents labs, pharmaceutical plants, explosion-proof elevator and also high requirements on size and weight places.
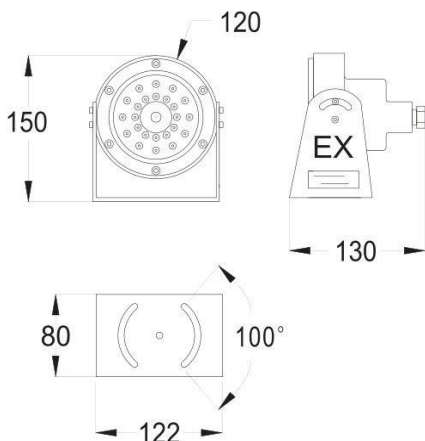
Key features

- Integrate explosion-proof camera and infrared lamp with intelligent design, IR lamp turned on automatically when lack of visible light, IR CUT shifted day and night, high quality clear detailed vivid picture
- Based on the second generation SONY EFFIO Super HAD/ Exview HAD project ultra-high pixel 960H (PAL: 976*582) CCD, the highest resolution of analog cameras up to 700TVL
- Photographic properties dramatically increase, the Minimum illumination as low as color 0.001Lux@F1.2
- The fourth generation newest broad dynamic technology, dynamic range greater than 75dB, effects increase obviously
- Process the original signal through 3D digital noise reduction technology so as to make crisp, bright pictures at night
- Visible distance up to 20-30 meters with infrared night vision function, high quality image showed even in badly lighting areas
- Optics class toughened ultra-clear white explosion-proof glass, flux rate higher than 96%, completely eliminate infrared light halos.
- Invisible nano wiper, non-stick water, non-stick oil, dust-proof.
- 304 Electro-polished stainless steel surface processing, elegant structure, explosion-proof, dust-proof, water-proof, rust-proof
- Intelligent 3D ring design, convinient to install at any agenl, after adjusting all can obtain high quality pictures

Dimensions (unit: mm)

Technical Specifications

Product series		25M EX-proof IR Mobile Camera
Model		EX-M82
Mechanical features	Material quality	304 Stainless steel
	Surface treatment	Original stainless steel or Electro-polished surface (optional)
	Anti-hazard classification	Ex dIIC T6 Gb / DIP A20 TA,T6
	Ingress Protection	IP68
	Interface spec	G-1/2"
	Weight	≤2.0kg (4.409lbs)
	Method of installation	Ceiling type & wall mounting
	Outer Dimension (L x H)	130mm x 150mm / 5.12" x 5.90"
Camera	Resolution	700TVL
	CCD	1/3 SONY Super EFFIO HAD / Exview HAD II CCD Sensor
	Effective pixel	976 (H) x 582 (V)
	TV System	PAL/NTSC
	Lens	4mm/6mm/8mm/12mm
	Signal-to-Noise Ratio	＞75dB
	Minimum Illumination	0Lux (with IR on)
IR	IR Switch	AUTO≤10LUX
	IR Distance	20-30m
	Wavelength	850nm
Electrical	Input voltage	DC 12V
	Working current	≤2A
	Electrical Connectivity	composite cable
Environmental	Working temperature	-30℃~+70℃ / -22℉~158℉
	Atmospheric Pressure	86~106kpa
	Relative Humidity	≤ 95%RH (±25℃)
	Certification	ATEX, CE, FCC