EX-M82
Explosion-proof IR Mobile Camera

EX-M82 is an explosion-proof IR Mobile Camera tailor-made for the rigorous requirements for hazardous areas. Featuring 304 stainless steel, intelligent IR switching technology, 3D digital noise reduction and 3D ring design for various angle view, EX-M82 delivers the high image quality and reliability demanded in the most challenging environments.

Applicable for areas with 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.

EX-M82 is suitable for tanker, dangerous good transport vehicles, small warehouses, chemical reagents labs, pharmaceutical plants, explosion-proof elevator and also high requirements on size and weight places.
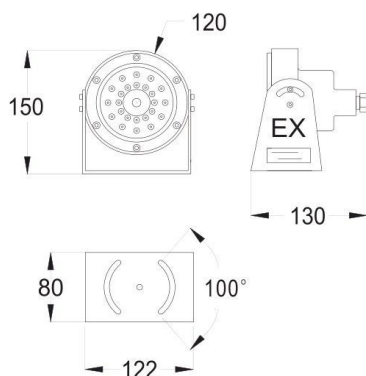
Key features

- Integrate explosion-proof camera and infrared lamp, IR lamp turned on automatically when lack of visible light, IR CUT shifted day & night
- SONY EFFIO Super HAD/ Exview HAD project ultra-high pixel 960H (PAL: 976*582) CCD
- Photographic properties dramatically increase, the min. illumination at color 0.001Lux@F1.2
- The newest broad dynamic technology, dynamic range greater than 75dB
- 3D digital noise reduction technology for crisp and bright pictures at night
- IR night vision distance at 20-30m, 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 or oil
- 304 Electropolished stainless steel surface processing, elegant structure, explosion-proof, dust-proof, water-proof, rust-proof
- Intelligent 3D ring design, convinient to install at any angle,high quality pictures after adjustment

Dimensions   (unit: mm)

Accessory:

IR Bracket	Aluminum, wall mount, pole mount, used for proof shield & ex-proof cameras, load 30kg
Universal Joint	Aluminum, used for proof shied & ex-proof cameras, load 30kg
Ex-proof Flexible Tube BNG	Diameter: ⌀ 15mm Length: 1200mm Interface: rubber ½", ¾" stainless steel ¾" Temp: -25℃ ~ +70℃
Ex-proof Junction Box	Interface: ½", ¾"
Ex-proof Control Box	Stainless steel

Technical Specifications

Product series		EX-proof IR Mobile Camera
Model		EX-M82-700
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	≤4.0kg (8.818lbs)
	Method of installation	Ceiling type & wall mounting
	Dimension (L x D x H)	120x100x130(mm)/ 4.72"x3.93"x5.12"
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	Color 0.001Lux@F1.2, 0Lux (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°F~158°F
	Atmospheric Pressure	86~106kpa
	Relative Humidity	≤ 95%RH (±25℃)
	Certification	ATEX, CE, FCC