EX-M80-IP Series
Explosion-proof Mini IR Mobile IP Camera

EX-M80-IP series is an explosion-proof Mini IR Mobile IP Camera tailor-made for the rigorous requirements for hazardous areas. Featuring 304 stainless steel, simultaneous dual stream support and 3D ring design for various angle view, EX-M80-IP 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-M80-IP series 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

- Support RS485 serial port, extended with WIFI, 3G/4G function, built-in POE module, embedded web server, support IE browse video, parameter configuration, data update, user privilege management
- Support ONVIF protocol, open IP standard
- 5 million pixels 1/2.5" CMOS sensor, colour 0.6Lux@F1.2, Black and White 0.08Lux@F1.2
- Main stream: 1280x960, 1920x1080; Sub stream: 320x240, 352x192, 320x192, 288x192, 256x192
- Optics class toughened ultra-clear white explosion-proof glass, flux rate higher than 96%, completely eliminate infrared halos.
- IR night vision distance at 15m, 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

Ordered Model:

EX-M80-IP13M	IP 1.3Mega pixel
EX-M80-IP20M	IP 2.0Mega pixel

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 IP Camera	
Model	EX-M80-IP13M	EX-M80-IP20M
Mechanical features		
Material quality	304 Stainless steel	
Surface treatment	Original stainless steel or Electro-polished surface (optional)	
Anti-hazard classification	ExdIICT6 Gb / DIP A20 TA,T6	
Ingress Protection	IP66	
Interface spec	G-1/2"	
Weight	≤1.2kg (2.646lbs)	
Method of installation	Ceiling type & wall mounting	
Dimension (L x D x H)	110 x 90 x 90(mm)/ 4.33"x3.54"x3.54"	
Camera		
Resolution	960P	1080P
Image Sensor	5 million pixels 1/2.5" CMOS sensor	
Video Stream	Main: 1280x960	Main: 1920x1080
	Sub streams: 320x240, 352x192, 320x192, 288x192, 256x192	
Video Processing	H.264 video encoding, support dual stream, AVI format, 0.1M~6Mbps adjustable	
Frame Rate	25fps, 1~25 fps adjustable	
Signal-to-Noise Ratio	>52dB	
Minimum Illumination	Colour 0.6Lux@F1.2 B&W 0.08Lux@F1.2 (infra-red on)	
IR		
Lens	4mm/6mm/8mm/12mm for option	
IR Distance	15 meters	
Wavelength	850nm	
Electrical		
Input voltage	DC 12V	
Working current	≤1A	
Electrical Connectivity	composite cable	
Environment		
Working temperature	-30℃~+70℃ / -22°F~158°F	
Atmospheric Pressure	86~106kpa	
Relative Humidity	≤ 95%RH (±25℃)	
Certification	ATEX, CNEX, CE, FCC	