EX-B84-IP series
Explosion-proof IP Infrared Camera

EX-B84-IP series is an explosion-proof fixed IP Infrared Camera tailor-made for the rigorous requirements for hazardous areas. Featuring 304 stainless steel, intelligent IR switching technology, up to 1080P resolution, and simultaneous dual stream support, EX-B84-IP series delivers the high image quality and reliability demanded in the most challenging environments.

Applicable for the factories 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.

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.
- Invisible nano wiper, non-stick water, non-stick oil, dust-proof
- Application: 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.

Ordered Model:

EX-B84-IP13M	IP 1.3 Mega pixels
EX-B84-IP20M	IP 2.0 Mega pixels

Accessory:

IR Bracket	Aluminum, wall mount, pole mount, used for proof shields & ex-proof cameras, load 30kg
Universal Joint	Aluminum, used for proof shieds & 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		Explosion-proof IR Camera	
Model		EX-B84-IP13M	EX-B84-IP20M
Mechanical features	Material quality	304 Stainless steel	
	Surface treatment	Original stainless steel	
	Anti-hazard classification	ExdIICT6 Gb / DIP A20 TA,T6	
	Ingress Protection	IP66	
	Interface spec	G-1/2"	
	Weight	≤6.0kg (13.23lbs)	
	Method of installation	Ceiling type & Wall mounting	
	Dimension (LxDxH)	260x120x120(mm)/10.23"x4.72"x4.72"	
Camera	Resolution	1280x960	1920x1080
	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)	
	Lens	4mm/6mm/8mm/12mm for option	
IR	IR Distance	30-50 meters	
	Wavelength	850nm	
Electrical	Input voltage	DC12V	
	Working current	≤2A	
	Electrical Connectivity	composite cable	
Environmental	Working temperature	-30℃~+70℃ / -22℉~158℉	
	Atmospheric Pressure	86~106kpa	
	Relative Humidity	≤ 95%RH (±25℃)	
	Certification	CNEX, CE, FCC	