

# EX-B84-700

## Explosion-proof IR Camera

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### 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, delivering high quality clear picture in detail
- SONY EFFIO Super HAD/ Exview HAD project ultra-high pixel 960H (PAL: 976\*582) CCD
- Photographic properties dramatically increase, the minimum illumination is as low as color 0.001Lux@F1.2
- The newest broad dynamic technology, dynamic range greater than 75dB, effects increase obviously
- 3D digital noise reduction technology for crisp, bright pictures at night
- Visible distance up to 30-50 meters with infrared night vision function, high quality image showed even in low lighting areas
- Optics class toughened ultra-clear white explosion-proof glass, flux rate higher than 96%, completely eliminate infrared light halos.
- 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-B84-700	Analog 700TVL
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### Accessory:

IR Bracket	Aluminum, wall mount, pole mount, used for proof shields & ex-proof cameras, load 30kg
Universal Joint	Aluminum, used for proof shields & ex-proof cameras, load 30kg
Ex-proof Flexible Tube BNG	Diameter: $\phi$ 15mm Length: 1200mm Interface: rubber $\frac{1}{2}$ ", $\frac{3}{4}$ " stainless steel $\frac{3}{4}$ " Temp: -25°C ~ +70°C
Ex-proof Junction Box	Interface: $\frac{1}{2}$ ", $\frac{3}{4}$ "
Ex-proof Control Box	Stainless steel

EX-B84 is an explosion-proof fixed IR Camera tailor-made for the rigorous requirements for hazardous areas. Featuring 304(316) stainless steel, intelligent IR switching technology, high quality integrated camera, 3D digital noise reduction, and latest broad dynamic technology, EX-B84 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.

### Technical Specifications

Product series		Explosion-proof IR Camera
Model		EX-B84-700
Mechanical features	Material quality	304 Stainless steel
	Surface treatment	Original stainless steel
	Anti-hazard classification	Ex dIIC T6 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
Camera	Dimension (LxDxH)	260x120x120mm/10.23"x4.72"x4.72"
	Resolution	700TVL
	TV System	PAL/NTSC
	Lens	4mm/6mm/8mm/12mm for option
	Signal-to-Noise Ratio	> 75dB
Electrical	IR Distance	30-50 meters
	Wavelength	850nm
	Input voltage	DC12V
Environmental	Working current	≤2A
	Electrical Connectivity	composite cable
	Working temperature	-30°C~+70°C / -22°F~158°F
	Atmospheric Pressure	86~106kpa
	Relative Humidity	≤ 95%RH (±25°C)
	Certification	CNEX, CE, FCC