

EX-D85

Explosion-proof Dome Camera

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EX-D85 is an explosion-proof Dome camera tailor-made for the rigorous requirements for hazardous areas. Featuring 304(316) stainless steel, low light technology, high quality integrated camera, 3D digital noise reduction, and latest broad dynamic technology, EX-D85 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

- 304(316) stainless steel surface treated with fluorine-carbon spray, elegant structure, explosion-proof, dust-proof, water-proof, rust-proof
- Photographic properties dramatically increase, the min. illumination at color 0.001Lux@F1.2
- The fourth generation newest broad dynamic technology, dynamic range greater than 75dB, effects increase obviously
- 3D digital noise reduction technology for crisp, bright pictures at night
- 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.
- Optional temperature-controlled SCR semiconductor module to realize automatic heating and cooling functions, heater turned on when temperature lower than $-10^{\circ}\text{C} \pm 5^{\circ}\text{C}$
- Camera cover customizable
- 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-D85-700	Analog 700TVL
EX-D85-IP13M	IP 1.3Mega pixel
EX-D85-IP20M	IP 2.0Mega pixel

Accessory:

Medium Size Bracket	All steel, wall mount, pole mount, used for ex-proof shields & PTZ, load 60kg
Universal Joint	Aluminum, used for proof shields and ex-proof cameras, load 30kg
Ex-proof Flexible Tube BNG	Diameter: ϕ 15mm Length: 1200mm Interface: rubber $\frac{1}{2}$ ", $\frac{3}{4}$ " stainless steel $\frac{3}{4}$ " Temp: $-25^{\circ}\text{C} \sim +70^{\circ}\text{C}$
Ex-proof Junction Box	Interface: $\frac{1}{2}$ ", $\frac{3}{4}$ "
Ex-proof Control Box	Stainless steel

Technical Specifications

Product series		Explosion-proof Dome Camera
Model		EX-D85
Mechanical features	Material quality	304 Stainless steel (316 optional)
	Surface treatment	Stainless steel
	Anti-hazard classification	Ex dIIC T6 Gb / DIP A20 TA, T6
	Ingress Protection	IP66
	Interface spec	G-1/2"
	Weight	2.0kg (4.409lbs)
	Method of installation	Ceiling type & wall mounting
	Dimension (L x D x H)	110mm x 110mm x 150mm / 4.33" x 4.33" x 5.90"
Camera	Resolution	700TVL, IP1.3M pixel, IP2.0M pixel
	Effective pixel	976 (H) x 582 (V)
	TV System	PAL/NTSC
	Lens	4mm/6mm (8mm/12mm by request)
	Signal-to-Noise Ratio	> 75dB
	Minimum Illumination	0Lux (with IR on)
Electrical	Input voltage	DC 12V
	Working current	$\leq 1\text{A}$
	Electrical Connectivity	composite cable
Environmental	Working temperature	$-30^{\circ}\text{C} \sim +70^{\circ}\text{C}$ / $-22^{\circ}\text{F} \sim 158^{\circ}\text{F}$
	Atmospheric Pressure	86~106kpa
	Relative Humidity	$\leq 95\%\text{RH}$ ($\pm 25^{\circ}\text{C}$)
	Certification	ATEX, CE, FCC