

SCOUT F0100-EXDE CRANE CAMERA

Zone 1 Crane Camera, Engineered for Harsh Offshore Environments



The Scout F0100-Exd is a robust, industrial-grade crane camera specifically designed to perform reliably in hazardous Zone 1 environments. Encased in a highly durable 316L stainless steel housing, it is built to withstand the most challenging conditions, including extreme temperatures and corrosive atmospheres typically encountered in offshore and onshore applications.

Scout F0100 Exde with Magnetic Pendulum PMB03C

Key Benefits:

- **Ease of Use and Installation:** The camera is designed for straightforward setup, featuring a compact form factor with a pre-terminated pigtail for effortless connection to a junction box, reducing installation time and complexity.
- **Exceptional Low-Light Performance:** The integrated auto-correct feature for low-light conditions ensures clear and sharp imagery even in minimal lighting, making it ideal for round-the-clock surveillance.
- **Versatile Application:** Suitable for multiple Zone 1 environments, providing flexibility in deployment across various industrial settings.

Advanced Features:

- **High-Resolution Imaging:** Equipped with an 18x optical zoom lens, the camera offers an optional upgrade to 28x optical zoom for enhanced detail and coverage. The true day/night functionality, combined with advanced auto-focus (manual override available) and auto-iris, guarantees superior image quality in both daylight and nighttime conditions.
- **Integrated Heating Element:** A pre-installed thermostatically controlled heating system prevents fogging and maintains optimal performance in cold environments.
- **Resilient Cable Connectivity:** Utilizes a standard halogen-free, mud-resistant Hybrid-cable for the seamless transmission of video, telemetry, and power, ensuring reliable performance in demanding environments.
- **Certified Safety and Durability:** The camera and its mounting systems are secured with a Certex-approved safety wire, offering peace of mind with top-tier safety standards.



Technical Specifications:

CAMERA UNIT:	
Image sensor:	1/4" Ex-View HAD CCD
Horizontal Resolution:	460TVL
Lens:	f4.1mm(wide) - 73.8mm(tele), 48° - 2.8°
Zoom:	18x optical
Minimum Illumination:	0.7 Lux (Day) / 0.01 Lux (Night)
Focus:	Auto / Manual
Signal-to-Noise Ratio:	>50dB
Power:	6 ~ 12VDC, 6,2W (active heater and lens motor)
Additional Options:	0,45x wide angle conversion lense

HOUSING :	
Material:	316L stainless steel
Dimensions:	Ø101 x L248mm
Weight:	4.6 kg
Ingress Protection:	IP66, optional IP67 and IP68
Approval:	DNV-2004-OSL-ATEX-0115
Ex-protection:	II 2 G / Ex de IIC T6
Operating temp.:	Ta: -40°C to +50°C
Storage Temperature :	-20°C to +60°C
Cable Entries:	3x M25 Ex e gland
Surface Finish :	Natural

Magnetic Pendulum (Sold Separately):	
Material:	316L stainless steel
Fixing, base plate	M8x4
Dimension (HxWxD)	144x105x140mm
Weight	7.5 kg

MOUNTING BRACKET (Sold Separately):	
Material:	316L stainless steel
Swivel head dimension:	HxWxD - 120x117x130mm
Wall mount dimension:	HxWxD - 100x105x208mm
Fixing	IM8x4