

# SCOUT 100C-EXD CAMERA

*Zone 1 Crane Camera, Engineered for Harsh Offshore Environments*



Scout 100C-Exd with Magnetic Pendulum PMB03C (Magnetic Pendulum PMB03-series sold separately).

The Scout 100C-Exd is a robust, industrial-grade 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.

## 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 Cat7 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:	530TVL
Lens:	f 4.1mm(wide) - 75.8mm(tele) 48° - 2.8°
Zoom:	18x optical (28x optical option available)
Minimum Illumination:	0.7 Lux (Day) / 0.01 Lux (Night)
Focus:	Auto / Manual
Signal-to-Noise Ratio:	>50dB
Protocol:	Pelco D
Additional Options:	Image stabiliser for enhanced clarity in dynamic conditions.

HOUSING :	
Material:	316L stainless steel
Dimensions:	Ø101 x L239mm
Weight:	4.4 kg
Ingress Protection:	IP66
Approval:	DNV-2004-OSL-ATEX-0115
Ex-protection:	II 2 G / Ex d IIC T6
Operating temp.:	Ta: -40°C to +55°C
Cable Entries:	Ex d gland M20

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

*The Scout 100C-Exd camera is your reliable surveillance solution for high-risk industrial zones, delivering unmatched durability, ease of installation, and superior imaging performance.*