

Zone 1 Crane Camera Scout FO100-Exde



Scout FO100-Exde with Magnetic Pendulum PMB03C

The Scout FO100-Exde Zone 1 crane camera include standard features such as an advanced industrial surveillance, high-resolution, colour camera unit with a thermostatically controlled heating element, integrated lens, 18x optical zoom, auto-focus (overrideable), advanced auto-iris and true day/night functionality, providing high picture quality even under poor light conditions.

The Scout FO100-Exde Zone 1 crane camera can be purchased as crane camera or fixed camera.

The Scout FO100-Exde fixed camera have a wall mount and are secured with a Certex-approved safety wire.

The Scout FO100-Exde crane camera is designed to assist crane operators carry out the safe transfer of loads in explosive environments, even during blind lifts.

The crane camera is suspended with Scout CCTV's patented PMB - a fully closed stainless steel magnetically damped pendulum bracket. The PMB can be attached to standard crane booms or knuckle boom cranes. The oil-free damping properties of the PMB are unaffected even under extreme temperatures.

BENEFITS

- Day / night functionality
- Highly durable stainless steel housing
- Auto-correct for low-light level images
- Can be installed on virtually any type of crane

PRODUCT FEATURES

- 18x optical zoom
- Securely mounts onto Scout's oil-free PMB bracket and Certex-approved safety wire
- Combines with Scout Safe Zone or / and Ex power supply, junction box, control box and cameras.
- Pre-installed thermostatically controlled heating element



Specifications

CAMERA

Image sensor	1/4" Ex-View HAD CCD
Horizontal resolution	460TV lines
Lens	F= 4.1mm(wide) - 73.8mm(tele) 48° - 2.8° Advanced autoiris
Zoom	18x optical
Min. illumination	Day: 0.7/ Lux at 1/50 sec. Night: 0.01 Lux at 1/3 sec.
Focus	Auto / manual
S/N ratio	>50dB
Power	6 ~ 12VDC, 6,2W (active heater and lens motor)
Options	0,45x wide angle conversion lense

ZONE 1 CAMERA HOUSING

Material	316L stainless steel
Dimension	Ø101 x L248mm
Weight	4,6kg approx (excl. bracket / PMB)
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 temp.	-20°C to +60°C
Entries	3x M25 Ex e gland
Finish	Natural

PENDULUM PMB03C, CRANE CAMERA

Material	316L stainless steel
Fixing, base plate	M8x4
Dimension (HxWxD)	144x105x140mm
Weight	7.5 kg

MOUNTING BRACKET, FIXED CAMERA

Material	316L stainless steel
Swivel head dimension (HxWxD)	120x117x130mm
Wall mount dimension (HxWxD)	100x105x208mm
Wall mount fixing	M8x4
Total weight with safety wire	1,9kg