

General Purpose Inspection Camera

oe1358/59



- High Resolution CCD
- Excellent Light Sensitivity
- Flexible Operation

The Kongsberg Maritime oe1358/oe1359 mini camera combines customary high standards of constructional integrity with a level of performance ideally suited to general purpose inspection use. The camera is designed as a cost effective option for applications where space is at a premium, such as on an ROV manipulator arm or aft viewing, but is equally suited to diver helmet mounting or bell observation tasks. The oe1358 takes advantage of the latest advances in miniaturised solid state technology, offering excellent light sensitivity and good image definition in a robust housing which can sit comfortably in the palm of the hand. The camera, which is rated to 3,000 metre (9,842 feet) water depth, is only 163mm long (excluding Connector) and is supplied in its own shock-resistant carrying case.

Standard Features**Electrical**

Sensor Pixels	752 (H) x 582 (V) oe1358 768 (H) x 494 (V) oe1359
Horizontal Resolution	570 TV Lines
Light Sensitivity	4 x 10 ⁻³ Lux (faceplate) (15% Video) (Seawater Equivalent Measurement)
Sensor Type	1/2 inch CCD
Signal to Noise Ratio	> 40dB (weighted) for oe1358
Scanning	625 Line / 50Hz for oe1358 525 Line / 60Hz for oe1359
Auto Light Range	6.2 x 10 ⁵ :1
Power Input	Constant Voltage 16V - 24V dc 250mA Maximum
Video Output	1.0V Pk - Pk composite video into 75Ω
Electro-Magnetic Compatibility	EN50081-1 Emission / EN50082-1 Immunity

Environmental

Water Depth	3,000 metres standard
Temperature	Operating -5°C to +40°C Storage -20°C to +60°C
Vibration	10g, 20-150Hz, 3-axes (non-operating)
Shock	30g peak, 25mS half-sine pulse

Optical

Standard Lens	3.7mm f/1.6
Iris Control	Automatic
Focus Control	Fixed
Angle of View	Approx. 78° diagonal in water

Mechanical

Size	Diameter 62mm main body Length 163mm exc. connector
Weight	Air 1.0g Water 0.5Kg
Standard Housing	6082-T6 Marine Grade Aluminium
External Finish	Hard Anodised, Black Dyed
Connector	3 pin Subconn U / W mateable (or equivalent) Pin 1 - Video Out Pin 2 - 0V, Video Screen Pin 3 - Power Input

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