

Mini observation camera

oe15-108/109



- High resolution CCD
- Miniature
- Low cost

The Kongsberg Maritime OE15-108 (625 Line/50Hz) and OE15-109 (525 Line/60Hz) miniature black & white CCD cameras provide cost-effective, general purpose underwater viewing.

The units are robustly constructed with a tough marine grade aluminium alloy pressure housing rated to 3,000 metres operating depth as standard. The fixed semi-wide angle lens provides convenient focus-free operation. Very compact dimensions and light weight construction make the OE15-108/109 ideally suited for ROV manipulator/tooling applications, and any non-critical underwater viewing task.

Standard Features**Electrical**

Horizontal Resolution	400 TV Lines
Light Sensitivity (Limiting)	0.02 Lux (faceplate), 0.41 Lux (scene)
Sensor Type	1/3" CCD
Signal to Noise Ratio	>50dB (weighted)
Scanning	625 Line/50Hz CCIR (OE15-108) 525 Line/60Hz RS-170 (OE15-109)
Power Input	Constant Voltage 12V-24V dc, 110mA maximum
Video Output	1.0V Pk-Pk composite video into 75 Ω
Electro-Magnetic Compatibility	BS EN 61000-6-3 2007 Emission BS EN 61000-6-1 2007 Immunity

Environmental

Water Depth	3,000 metres, other options available
Temperature Range	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	3.6mm f/2.8
Iris Control	Fixed (Electronic Shutter)
Focus Control	Fixed, 200mm to Infinity
Angle of View	Approx. 73° diagonal in water

Mechanical

Diameter	40mm
Length	99mm (excl. connector)
Weight	0.25Kg in Air, 0.15Kg in Water
Standard Housing	6082-T6 Marine Grade Aluminium
Connector	Subconn BH4M (or equivalent) Subconn LPBH4M Right-Angled (optional)

**KONGSBERG**

tel: +44 (0)1224 226500
fax: +44 (0)1224 226501
email: km.camsales.uk@kongsberg.com
web: www.km.kongsberg.com/cameras