

## Compact colour CCD camera

oe14-110/111



- Rugged
- Compact dimensions

The Kongsberg Maritime OE14-110 (PAL) and OE14-111 (NTSC) Low Cost Mini Colour Camera utilises the latest solid state sensor technology to provide a cost-effective, miniature colour camera with excellent light sensitivity and image definition.

The units are robustly constructed with a tough marine grade aluminium alloy pressure housing rated to 3,000 metre operation as standard.

Very compact dimensions make the OE14-110/111 ideally suited for ROV manipulation and tooling applications.

Auto shuttering, together with a wide AGC range give excellent light compensation at minimum cost. The lack of any moving parts and robust construction makes the camera extremely resistant to shock and vibration.

**Standard Features****Electrical**

Horizontal Resolution	460 TV Lines (OE14-110), 470 TV Lines (OE14-111)
Light Sensitivity (limiting)	0.1 Lux (faceplate)
Scene Illumination	1.9 Lux
Sensor Type	1/4" interline transfer CCD
Signal to Noise Ratio	>52dB weighted (AGC off)
Scanning	625 Line/50Hz PAL (OE14-110), 525 Line/60Hz NTSC (OE14-111)
Power Input	Constant Voltage 12V-24V dc, 200mA (max)
Video Output	1.0V Pk-Pk composite video into 75Ω
Electro-Magnetic Compatibility	BS EN 61000-6-3 2007 Emission BS EN 61000-6-1 2007 Immunity

**Environmental**

Water Depth	3000 metres
Temperature	Operating -5°C to +40°C in water Storage -20°C to +60°C
Vibration	10g, 20-150Hz, 3-axes (non-operating)
Shock	30g peak, 25mS half-sine pulse

**Optical**

Standard Lens	2.5mm F/1.8
Iris Control	Fixed
Focus Control	Fixed (115mm to infinity)
Angle of View	73° diagonal in water

**Mechanical**

Diameter	40mm (excl. guard)
Length	99mm (excl. connector)
Weight	0.25Kg in Air, 0.15Kg in Water
Standard Housing	Aluminium alloy 6082 T6
Connector	BH-4M Other connector options available

**KONGSBERG**

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