

## Light Ring Camera

oe14-106/107



- Integral Lighting
- Rugged
- Compact Dimensions

The Kongsberg Maritime oe14-106 (PAL) and oe14-107 (NTSC) colour cameras, have very small dimensions making the camera suitable for general-purpose viewing and manipulator arm applications. The integral LED lighting allows the unit to be used in applications that previously required a separate camera and lamp.

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	350 TV Lines for oe14-106 360 TV Lines for oe14-107
Light Sensitivity (limiting)	0.1 Lux (faceplate)
Scene Illumination	3.8 Lux
Sensor Type	1/4" interline transfer CCD
Signal to Noise	>52dB weighted (AGC off)
Scanning	625 Line / 50Hz PAL oe14-106 525 Line / 60Hz NTSC for oe14-107
Camera Power Input	Constant Voltage 12V-24V dc, 200mA (max)
LED Current	100mA
Light output	10 Lux @ 1m
Video Output	1.0V Pk-Pk composite video into 75Ω
Electro-Magnetic Compatibility	EN50081-1 Emission / EN50082-1 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	4 mm F/2.8
Iris Control	Fixed
Focus Control	Fixed (300mm to infinity)
Angle of View	41° Diagonal in water

**Mechanical**

Size	Diameter 40mm Length 85mm exc. connector
Weight	Air 0.22 Kg Water 0.12 Kg
Standard Housing Connector	Aluminium Alloy BS 1470 BH-4M Other connectors available

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