

Continuous Rotate and Tilt Camera

oe14-102/103



- High Resolution CCD
- Innovative
- Intervention Tooling

The Kongsberg Maritime oe14-102/103 Continuous Rotate and Tilt Camera is a highly compact, innovative and versatile underwater inspection camera which utilises the latest in CCD colour sensing technology. Having no external moving parts, the camera utilises an innovative rotate and tilt mechanism which allows the camera to continuously rotate through 360° whilst allowing 180° of tilt movement. This ideally suits the camera to Intervention Tooling applications or viewing in space restricted areas.

The camera is manufactured in hard anodised marine grade aluminium and is rated to 1,000m depth. The camera features long-line cable compensation, over-voltage protection and reverse polarity protection as standard.

Standard Features**Electrical**

Horizontal Resolution	440 TV Lines
Light Sensitivity (limiting)	0.01 Lux (faceplate)
Sensor Type	Inter-Line Transfer CCD (1/3" format)
Signal to Noise Ratio	>48dB weighted (AGC off)
Scanning	625 Line / 50 Hz PAL for oe14-102 525 Line / 60 Hz NTSC for oe14-103
Power Input	Constant Voltage 16V - 24V dc 500mA (max)
Video Output	1.0V Pk - Pk composite video into 75Ω Optional Y/C output
Electro-Magnetic Compatibility	EN50081-1 Emission EN50082-1 Immunity

Environmental

Water Depth	1,000 metres, deeper options available
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	Fixed 5.6mm f/4.0
Iris Control	Electronic 1/50 to 1/30,000 Second
Focus Control	Fixed Pre-set
Angle of View	Diagonal Approx. 46° in water Horizontal Approx. 36° in water Vertical Approx. 27° in water

Pan and Tilt Coverage

Rotation	360° Continuous
Tilt Range (Vertical)	180° (±90°)
Rotate and Tilt Control	2 x single wire tri-state controls

Mechanical

Size	Diameter 104mm main body Length 116mm exc. connector
Weight	Air 1.7 Kg Water 0.8 Kg
Standard Housing	6082-T6 Marine Grade Aluminium
External Finish	Hard Anodised, Black Dyed
Connector	Burton 8 pin 5506-1508 Other Connector options available

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