

Continuous rotate & tilt zoom camera

oe14-112/113



- 10:1 zoom lens
- Text insertion
- Digital control/feedback

The Kongsberg Maritime OE14-112 (PAL)/OE14-113 (NTSC) Continuous Rotate & Tilt Zoom Color Camera offers a wide range of features in a versatile package. The camera uses the latest Super HAD and DSP technology giving excellent light sensitivity and image definition. In addition, a built-in field memory allows long time exposure, snap-shot capability and 4x digital zoom. The camera can also be given an ID number together with Time and Date.

Close-up inspection capability is obtained by using a 10x (40x with digital) magnification for powerful long-range viewing. The innovative rotate and tilt mechanism allows the camera to continuously rotate through 360° whilst allowing 180° of tilt movement. This allows the camera to be used in a restricted space or in a multi-role environment where the camera must address multiple tasks.

The unique Kongsberg Maritime IR remote control allows long line drive and camera control set-up. Camera control can be single wire tri-state, two wire bi-polar, RS485 or CAN bus.

The Kongsberg Maritime Graphical User Interface provides the control of extensive camera functionality via the RS485 link.

Standard Features**Electrical**

Horizontal Resolution	460 TV Lines (OE14-112), 470 TV Lines (OE14-113)
Light Sensitivity (limiting)	0.02 Lux (faceplate)
Scene Illumination	0.2 Lux
Sensor Type	1/4" Super HAD
Signal to Noise Ratio	>48dB weighted (AGC off)
Scanning	625 Line /50Hz CCIR (OE14-112), 525 Line/ 60Hz NTSC (OE14-113)
Power Input	Constant Voltage 16V-24V dc 500mA (max)
Video Output	1.0V Pk-Pk composite video into 75W
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	5g, 20-60Hz, 3-axes (non-operating)
Shock	30g peak, 25mS half-sine pulse

Optical

Standard Lens	4.2mm – 42mm, F1.8 – F2.9
Iris Control	Automatic, over-ride available with digital control (CAN or RS485)
Focus Control	10mm to infinity (wide angle) 1400mm to infinity (narrow angle)
Angle of View	(1°)* 4° - 44° diagonal in water (* with Digital Zoom)

Mechanical

Diameter	157mm
Length	180mm (excl. connector)
Weight	6.2Kg in Air, 3.6Kg in Water
Standard Housing	Titanium alloy 6AL/4V ASTM B3 48
Connector	8 Pin Burton 5506 -1508 Other connector options available

Tilt and Rotate Coverage

Rotation	360° continuous
Tilt Range (Vertical)	180° (±90°)
Rotate and Tilt Control	Digital Control (CAN or RS485) Bi-polar or Tri-state

