

Color zoom camera

oe14-366/367



- 18:1 zoom lens
- Text insertion
- Addressable serial control

The Kongsberg Maritime OE14-366 (PAL) (OE14-367 (NTSC)) Color Zoom Camera replaces the industry standard ROV inspection camera, OE1366MKII (and OE1367MKII). This camera uses the latest super HAD CCD technology to give excellent light sensitivity and image definition.

When controlled serially, the built-in field memory allows slower shutter speeds, a 'snapshot' capability and text insertion. The camera can also be given an ID number together with Time and Date.

A water compensated optical zoom lens provides a close-up inspection capability combined with the flexibility of an 18x (72x with digital) magnification for powerful stand off inspections.

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) and RS485. RS232 is available as a factory set option.

It is possible to set the white balance to 3,200K, 5,600K or to auto tracking and back light compensation can be switched on or off using the remote control.

The inclusive Kongsberg Maritime Graphical User Interface provides the control of extensive camera functionality via the serial link. An addressable feature has been included allowing control of more than one camera over the same serial control line.

Kongsberg Maritime reserves the right to amend specifications without notice.

Standard Features

Electrical

Horizontal Resolution	480 TV Lines (PAL) 470 TV Lines (NTSC)
Light Sensitivity (Limiting)	0.02 Lux (faceplate)
Scene Illumination	1.7 Lux
Signal to Noise Ratio	>48dB weighted (AGC off)
Sensor Type	1/4" Interline Transfer CCD with colour mosaic filter
Scanning	625 Line/50Hz CCIR
Power Input	Constant voltage 16V - 24V dc, 400mA (max)
Video Output	1.0V Pk - Pk composite video into 75Ω
White Balance	Switch between 3,200K and 5,600K and Auto using the Remote Control
Back Light Compensation	Switch on and off using the Remote Control
Electro-Magnetic Compatibility	EN50081-1 Emission/ EN50082-1 Immunity

Environmental

Water Depth	3,000 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	4.1mm to 73.8mm, F1.4 - 3
Iris Control	Automatic plus override available with digital control
Focus Control	70mm to infinity (wide angle), 820mm to infinity (narrow angle)
Angle of View	(1°) * 5.2° - 63° diagonal in water * with Digital Zoom

Mechanical

Diameter	82mm (main body), 95mm (front end)
Length	182mm (excl. connector)
Weight	2.0Kg in Air, 1.0Kg in Water
Standard Housing	Titanium alloy 6AL/4V ASTM B3 48
Standard Connector	FAWM-8P-BCRA Other connector options available



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