

Colour Zoom Camera

oe1366/67 Mk II



- 18 : 1 Zoom Lens
- Text Insertion
- Digital Control

The oe1366 Mk II (PAL) and oe1367 Mk II (NTSC) Colour Zoom Cameras replace the industry standard ROV inspection camera, the oe1366. This camera uses the latest super HAD CCD technology to give excellent light sensitivity and image definition. A newly developed DSP allows the creation of various Digital Effects. The built-in field memory allows slower shutter speeds, a "snap shot" 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), RS485 or CAN bus.

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

Kongsberg Maritime reserve the right to amend specifications without notice.

Standard Features**Electrical**

Horizontal Resolution	460 TV Lines for the oe1366 Mk II 470 TV Lines for the oe1367 Mk II
Light Sensitivity (limiting)	0.02 Lux (faceplate)
Scene Illumination	1.7 Lux
Sensor Type	1/4" interline transfer CCD with colour mosaic filter
Signal to Noise	>48dB weighted (AGC off)
Scanning	625 Line /50Hz CCIR 525 Line/ 60Hz RS-170
Power Input	Constant Voltage 16V-24V dc 400mA (max)
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	4.1mm to 73.8mm, F1.4 - 3
Iris Control	Automatic, over-ride available with digital control (CAN or RS485)
Focus Control	10mm to infinity (wide angle) 820mm to infinity (narrow angle)
Angle of View	(1.2°)* 4.5° - 59° Diagonal in water * With Digital Zoom

Mechanical

Size	Diameter	82mm main body
	Diameter	95mm front end
	Length	182mm exc. connector
Weight	Air	2.0 Kg
	Water	1.3 Kg
Standard Housing Connector	Titanium alloy6AL/4V ASTM B3 48 FAWM-8P-BCRA Other connectors available	

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