

High resolution color camera

oe14-364/365



- High resolution CCD
- Diver and vehicle deployment
- High integrity, pressure venting housing

The Kongsberg Maritime OE14-364/365 color inspection cameras utilise Hyper-HAD solid-state sensor technology to produce excellent light sensitivity and outstanding image definition.

The professional features associated with all Kongsberg Maritime cameras have been built into a compact and rugged underwater housing, ideally suited for diver and vehicle deployment.

The unique, high integrity housing design incorporates a rubberised screw-on front end assembly which protects against impact damage, and allows easy and safe venting of any internal pressure build-up when used in pressurised gas environments.

An "open" indication ensures that the camera will not be deployed in error should the mechanism not be in the correct position for immersion.

An angled back end can be supplied to suit diver helmet mounted applications.

A manual iris over-ride feature allows maximum video performance, even under difficult lighting conditions.

Kongsberg Maritime reserves the right to amend specifications without notice.

Standard Features**Electrical**

Horizontal Resolution	460 TV Lines (OE14-364) 470 TV Lines (OE14-365)
Light Sensitivity (limiting)	0.1 Lux (faceplate)
Signal to Noise Ratio	>46dB CCIR weighted
Sensor Type	½" Hyper HAD CCD
Scanning	625 Line/50Hz PAL (OE14-364) 525 Line/60Hz NTSC (OE14-365)
Power Input	Constant Voltage 16V - 24V dc, 350mA
Video Output	1.0V Pk - Pk composite video into 75W Optional Y/C and balanced output
White Balance	Normally 3200K, 5600K or ATW selectable
Electronic Shutter	Normally off (1/1000 or 1/120 flicker less)
External Sync	Genlock
Electro-Magnetic Compatibility	BS EN 61000-6-3 2007 Emission BS EN 61000-6-1 2007 Immunity

Environmental

Water Depth	1,500 metres, deeper options available
Temperature	Operating 0°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	6.0mm f/1.4 (Optional 3.5mm f/1.6)
Iris Control	Automatic, with Manual Override (optional)
Focus Control	Remotely Controlled, 70mm to Infinity
Angle of View	56° diagonal in water (Optional 97°)

Mechanical

Diameter	51mm (main body), 68mm (front end)
Length	180mm (excl. connector)
Weight	0.65Kg in Air, 0.25Kg in Water
Standard Housing	6082-T6 Marine Grade Aluminium
External Finish	Hard Anodised, Black Dyed
Connector	FAWM-8P-BCRA (or equivalent) with protector. Other Connector options available

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