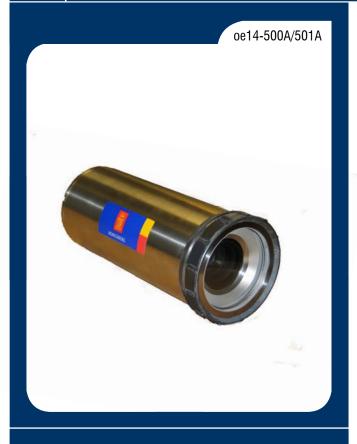
HDTV Component Colour Zoom and Digital Camera



- High Definition Colour Inspection Camera
- Digital Stills Capability
- 10:1 Optical Zoom Lens

The oe14-500A/501A underwater HDTV camera is designed and priced to be used for all general purpose ROV inspection tasks. Component video output allows simple conversion to other alternative digital formats in an ROV pod including HD-SDI.

Long line drive can be factory set and allows the component signal to drive three matched coax cables with no degradation over two hundred metres.

In addition to HDTV video the camera has an inbuilt 2.7 mega pixel digital stills capability.

A water compensated optical zoom lens provides a close-up inspection capability combined with the flexibility of a 10x magnification for powerful stand off inspections.

The unique Kongsberg Maritime IR remote control allows 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.

The inclusive Kongsberg Maritime Graphical User Interface provides control functionality via the digital link

Standard Features

Electrical

Horizontal Resolution 800 TV Lines per picture height Picture Elements Video: 1836(H) x 1080 (V)

Picture Elements Digital Stills: 1920 x 1440 Light Sensitivity (limiting) 0.1 Lux (faceplate)

Scene Illumination (limiting) 1.5 Lux assuming 100% scene reflectance 1/3" CMOS sensor with colour mosaic filter Sensor Type

Signal to Noise >43dB weighted

Power Input Constant Voltage 16V-30V dc

1A (max)

HD Video Output Component Y/Pb/Pr

Standard Video Format: OE14-500A - 1080i/50 Component

OE14-501A - 1080i/60 Component

Digital Stills 2.7 Mega pixel (4:3) 2 Mega pixel (16:9)

Digital Stills Format **JPEG** Stills Memory Stick 1 Gbyte **USB V1.1** Stills Transfer:

Electro-Magnetic Compatibility EN61000-6.3 -2001 Emission EN61000-6-1 -2001 Immunity

Environmental

Water Depth 3000 metres (Other options available) Temperature Operating -5°C to +40°C in Water

Storage -20°C to +60°C

Vibration 10g, 20-150Hz

3-axes (non-operating)

30g peak, 25ms half-sine pulse Shock

Optical

Standard Lens 5.1mm to 51mm, F1.8

Iris Control Automatic

Focus Control Front Port to infinity (wide angle) 700mm to infinity (narrow angle)

3.3° to 50° Diagonal in water Angle of View in water

Mechanical

Size Diameter 130mm main body Diameter 142mm front end

325mm exc. connector Length

Weight Air 7.1 Kg Water 3.0 Kg

Titanium alloy6AL/4V ASTM B3 48 Standard Housing

Connector Burton 5506-2008 Other connectors available



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