

HDTV Colour Zoom and Digital Camera

oe16-500



- High Definition Colour Inspection Camera
- Digital Stills Capability
- 120:1 Zoom

The oe16-500 HDTV camera is designed and priced to be used for all general purpose ROV inspection tasks. The various video output options allow compatibility with existing ROV composite video transmission systems and HDV, DV or Firewire systems plus simple conversion from Component to other alternative digital formats including HD-SDI.

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

An 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 long line drive and camera control set-up. Camera control can be single wire (tri-state), two wire (bi-polar) and RS485. RS232 and Ethernet are available as factory set options.

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

Kongsberg Maritime reserve the right to amend specifications without notice.

Standard Features**Electrical**

Horizontal Resolution	800 TV Lines per picture height
Picture Elements Video:	1440(H) x 1080 (V)
Picture Elements Digital Stills:	1920 x 1440
Light Sensitivity (limiting)	0.5 Lux (faceplate)
Scene Illumination	7 Lux
Sensor Type	1/3" CMOS sensor with colour mosaic filter
Signal to Noise	TBA
Power Input	Constant Voltage 16V-24V dc 850mA (max)
HD Video Output	1.0V Pk-Pk component Y/Pb,Cb/Pr Cr
Standard Video Format:	1080i/50 and 576i/50 Component 1080i/60 and 480i/60 Component 576i/50 or 480i/60 Composite PAL or NTSC
Alternative Video Formats:	HDV or DV (i link 1394 firewire) (HD-SDI optional)
Digital Stills:	2.7 Mega pixel (4:3) 2 Mega pixel (16:9)
Stills Memory Stick	1 Gbyte
Stills Transfer:	USB V1.1
Electro-Magnetic Compatibility	EN50081-1 Emission / EN50082-1 Immunity

Environmental

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
Water Depth	300 metres

Optical

Viewing Port	Non browning glass
Standard Lens	5.1mm to 51mm, F1.8
Iris Control	Automatic plus over-ride available with Digital control
Focus Control	100mm to infinity (wide angle) 1000mm to infinity (narrow angle)
Angle of View	4.4° to 88° Diagonal

Mechanical

Size	Diameter	120mm main body
	Diameter	142mm front end
Weight	Length	340mm exc. connector
	Air	5.0 Kg
	Water	1.0 Kg
Standard Housing	Electro Polished St. Stl. 304	
Connector	Burton 5506-1610 Other connectors available	

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