

3 CCD Colour Camera

oe14-120/121



- Broadcast Quality Video
- High Resolution and Sensitivity
- Precise Control of Exposure and Colour

The oe14-120 (PAL) and oe14-121 (NTSC) 3CCD Colour Camera, provides broadcast quality video for use in scientific and high-end inspection applications. Using new sensor technology, Kongsberg Maritime has been able to combine exceptional sensitivity and high resolution.

To obtain the best from this configuration, the camera is supplied with a broadcast quality 14X zoom lens, tailored for use with a 3 CCD sensor.

Using the latest digital signal processing, contrast can be adaptively managed down to pixel level. When combined with Dynamic Contrast Control, more video information is now available when shooting the region around a bright object or reflection.

Very precise exposure and colour balance control, combined with a selection of Y/C, RGB or VBS outputs, provide the best possible video quality.

The Kongsberg Maritime Graphical User Interface allows the camera to be controlled using RS 485.

Kongsberg Maritime reserve the right to amend specifications without notice.

Standard Features

Electrical

Horizontal Resolution	740 TV Lines (per picture height) 1000 TV Lines (per picture width)
Light Sensitivity (limiting)	0.02 Lux (faceplate)
Scene Illumination	0.16 Lux
Sensor Type	1/3" interline transfer 3 CCD
Signal to Noise	61dB weighted (AGC off) oe14-120 62dB weighted (AGC off) oe14-121
Scanning	625 Line /50Hz CCIR 525 Line/ 60Hz EIA
Power Input	Constant Voltage 16V-24V dc 1.3A
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 Storage -20°C to +60°C
Vibration	10g, 20-60Hz, 3-axes (non-operating)
Shock	30g peak, 25ms half-sine pulse

Optical

Standard Lens	5.5mm to 77mm, F1.4
Iris Control	Automatic, over-ride available with digital control (CAN or RS485)
Focus Control	0 to infinity (wide angle)
Angle of View	3.5° - 42.5° Diagonal in water

Mechanical

Size	Diameter 115mm exc. guard Length 404mm exc. connector
Weight	Air 7.2 kg Water 4.3 kg
Standard Housing Connector	Titanium alloy 6AL/4V ASTM B3 48 Burton 5506-1508 Other connectors available



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