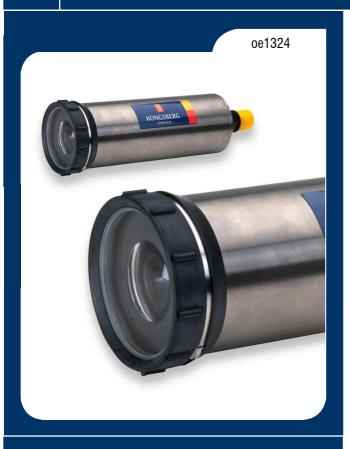
oe1324

Enhanced SIT Low Light Camera



- Enhanced Low Light Performance
- Long-Range Viewing
- 3,000m Titanium Housing

The model oe1324 Enhanced SIT camera combines the proven underwater abilities of the SIT image-intensifier with sophisticated new video processing circuitry, developed from military technology. This camera provides unrivalled low-light and long-range underwater viewing capabilities, ideally suited to ROV navigation, turbid water inspections, ambient light operations, scientific research and defence applications. The oe1324 is fitted with a corrosion resistant Titanium alloy pressure housing with 3,000 metre depth rating as standard (other housing options available). The standard camera includes adaptive contrast enhancement, automatic tube protection circuits, over-voltage protection, and special high-frequency amplifier circuits for operating on long cable lengths. The oe1324 Enhanced SIT extends the performance of the world's most successful range of professional underwater cameras.

Standard Features

Electrical

Horizontal Resolution Light Sensitivity (limiting) Light Sensitivity (full video)

Sensor Type Signal to Noise Scanning

Power Input

Grey Scale Cable Compensation Video Output Electro-Magnetic Compatibility

Environmental

Water Depth Temperature

Vibration Shock

Optical

Standard Lens Iris Control Focus Control Angle of View Water Compensation

Mechanical

Size

Weight

Standard Housing Connector 700 TV Lines (typical) 2 x 10⁻⁴ Lux (faceplate) 1 x 10⁻³ Lux (faceplate) (Seawater Equivalent Measurement) 1" Silicon Intensifier Target (SIT) > 40dB weighted (AGC off) 625 Line / 50 Hz CCIR 525 Line / 60 Hz RS-170 (optional) Constant Voltage 16V - 24V dc, 675mA (max.) 10 Shades (RETMA) 1,200 metres of RG59 Coaxial 1.0V Pk - Pk composite video into 75 Ω EN50081-1 Emission / EN50082-1 Immunity

6.5mm f/1.8 Automatic Light Control (ALC) Fixed, (150mm to infinity) 86° Diagonal (nominal) in water Plano-Concave Acrylic Port

Diameter102mm exc. guardLength297mm exc. connectorAir4.6 KgWater2.2 Kg6Al/4V ASTM B 348 Titanium AlloySea-Con / Brantner Type XSL-5-BCROther Connector options available



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Kongsberg Maritime reserve the right to amend specifications without notice

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intensified