

Video Camera - SIT

Kongsberg Simrad 1364 SIT Camera

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.



Electrical

3,000m Titanium Housing
 Horizontal Resolution 700 TV Lines (typical)
 Light Sensitivity (limiting) 2×10^{-4} Lux (faceplate)
 Light Sensitivity (full video) 1×10^{-3} Lux (faceplate)
 Sensor Type 1" Silicon Intensifier Target (SIT)
 Signal to Noise >40dB weighted (AGC off)
 Scanning 625 Line / 50 Hz CCIR
 525 Line / 60 Hz RS-170 (optional)
 Power Input Constant Voltage 16V - 24V dc, 675mA (max.)
 Grey Scale 10 Shades (RETMA)
 Cable Compensation 1,200 metres of RG59 Coaxial
 Video Output 1.0V Pk - Pk composite video into 75½
 Electro-Magnetic Compatibility EN50081-1 Emission /

Mechanical

EN50082-1 Immunity
 Size Diameter 102mm (4.0") exc. guard
 Length 297mm (11.7") exc. connector
 Weight Air 4.6 Kg
 Water 2.2 Kg
 Standard Housing 6Al/4V ASTM B 348 Titanium Alloy
 Connector Sea-Con / Brantner Type XSL-5-BCR
 Other Connector options available

