



OE15-108/109

Applications

- Tooling
- ROV Manipulator Wrist Camera
- Gauge and Process Monitoring
- Diver Helmet Mount
- TMS Monitoring



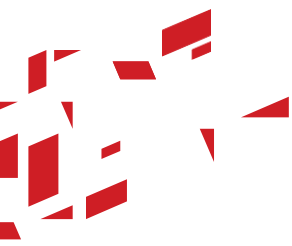
Mini Monochrome Camera

- Cost Effective
- Compact Dimensions
- 3000msw Depth Rating

The OE15-108 (CCIR) and OE15-109 (EIA) standard definition, mini monochrome cameras have been designed primarily for use in subsea environments and are ideally suited to close proximity inspection tasks such as gauge monitoring, ROV manipulator wrist applications and tooling operations.

The OE15-108/109 is robustly constructed with a tough, marine grade aluminium alloy pressure housing, rated to 3000msw operating depth. The OE15-108/109 is also available with 4500msw and 6000msw depth rated titanium housings.

The camera has a fixed focus lens with a 73° diagonal angle of view in water and a focal range of 200mm to infinity. The OE15-108 /109 provides a standard definition composite video signal output via the Burton 5507-1508 connector or customer specified external connector.



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Technical Specifications

Performance	
Horizontal Resolution	400 TVL/PH
Light Sensitivity	100mV video at 0.02 lux faceplate 350mV video at 0.11 lux faceplate
Minimum Scene Illumination	0.41 lux
Signal to Noise Ratio	>50dB (weighted)
Electrical	
Scan Standards	625 lines 50 Hz CCIR (OE15-108) 525 lines 60 HZ NTSC (OE15-109)
Sensor Elements	510 (H) x 492 (V) (OE15-108) 583 (H) x 500 (V) (OE15-109)
Video Output	1V pk-pk composite video into 75Ω
Power Input	12 - 24 VDC, 110mA (max)
Optical	
Lens	3.6mm
AOV in water	Horizontal: 58° Vertical: 44° Diagonal: 73°
Iris Control	CCD Electronic
Focus Range	200mm to infinity, fixed
Mechanical	
Dimensions	Diameter: 40mm Length: 99mm (excl. connector)
Weight	In air: 0.29 Kg In water: 0.15 Kg
Housing Material	Aluminium alloy HE30T6 to BS1474
Housing Finish	Hard Anodised Black
Connector	Burton 5507-1508 or customer specified
Environmental	
Operating Depth	3000 msw (other depth rated housing options available)
Temperature	Operating: -5 to 40°C Storage: -20 to 60°C
Shock	30G peak acceleration, 25ms half sine duration, on all three axes
Vibration	10G, from 20 to 150HZ on all three axes
Electromagnetic Compatibility	BS EN 50081-1:1992 Emission and BS EN 50082-1: 1992 Immunity