

OE14-110/111

Applications

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



Mini Colour Camera

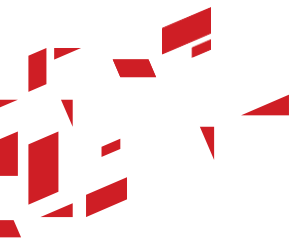
- Compact Dimensions
- 3000msw Depth Rating

The OE14-110 (PAL) and OE14-111 (NTSC) standard definition, mini colour 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 OE14-110/111 is fitted within an extremely compact and rugged 3000msw depth rated aluminium alloy housing. The OE14-110/111 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 115mm to infinity. The OE14-110/111 provides a standard definition composite video signal output via the Burton 5507-1508 connector or customer specified external connector. The OE14-110/111 is supplied with a rugged shipping case.

For further information, email
camera.sales.uk@imenco.com



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Technical Specifications

Performance	
Horizontal Resolution	460 TVL/PH (OE14-110) 470 TVL/PH (OE14-111)
Light Sensitivity	100mV video at 15×10^{-3} lux faceplate 350mV video at 70×10^{-3} lux faceplate
Minimum Scene Illumination	1 lux
Signal to Noise Ratio	>52dB
Electrical	
Scan Standards	625 lines 50 Hz PAL (OE14-110) 525 lines 60 HZ NTSC (OE14-111)
Sensor Elements	765 (H) x 582 (V) (OE14-110) 768 (H) x 492 (V) (OE14-111)
Video Output	1V pk-pk composite video into 75Ω
Power Input	12 – 24 VDC, 250mA (max)
Optical	
Lens	2.5mm, F2.0
AOV in water	Horizontal: 61° Vertical: 46° Diagonal: 73°
Iris Control	CCD Electronic
Focus Range	115mm to infinity, fixed
Mechanical	
Dimensions	Diameter: 40mm Length: 99mm (excl. connector)
Weight	In air: 0.25 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 BS EN 50082-1: 1992 Immunity

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