

## Applications:

Mid-Water Navigation Tasks  
General Observation & Situational Awareness  
Drill Support Tasks  
Manipulator & Tooling Tasks



# OE15-100E/101E

## HIGH RESOLUTION ENHANCED MONOCHROME CCD CAMERA

97° Wide AOV

Excellent Low Light Performance

4500msw Depth Rating

The OE15-100E (CCIR) and OE15-101E (EIA RS170A) standard definition, high resolution monochrome cameras have been designed primarily for use in subsea environments and are ideally suited to mid-water navigation tasks and general observation including manipulator and tooling tasks, construction and drill support applications.

The OE15-100E/101E cameras offer both exceptional low light sensitivity and an extremely wide AOV (97°). The water corrected optical arrangement minimises distortions and aberrations and the video image will appear in focus from 300mm in front of the port to infinity; making the OE15-100E/101E an excellent choice for both navigation and general observation applications.

Packaged within a robust 4500msw depth rated titanium alloy housing the OE15-100E/101E provides a standard definition composite video signal output via the Burton 5506-1508 connector or customer specified external connector.

The OE15-100E/101E is supplied in a rugged transit case with a hand held infra-red remote control which has been intuitively designed for ease of use.

Contact us for additional information or to get a quotation. Send an e-mail to [camera.sales.uk@imenco.com](mailto:camera.sales.uk@imenco.com) or find personal contact info on our website.

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# OE15-100E/101E

## TECHNICAL SPECIFICATIONS

Performance	
Horizontal Resolution	560 TVL/PH (OE15-100D) 570 TVL/PH (OE15-101D)
Light Sensitivity	100mV video at 500 x 10 <sup>-6</sup> lux faceplate
Minimum Scene Illumination	3 x 10 <sup>-3</sup> lux
Signal to Noise Ratio	>50dB (weighted)
Electrical	
Scan Standards	625 lines 50 Hz CCIR (OE15-100E) 525 lines 60 HZ EIA RS170A (OE15-101E)
Sensor Elements	752 (H) x 582 (V) (OE15-100E) 768 (H) x 492 (V) (OE15-101E)
Video Output	1V pk-pk composite video into 75Ω
Power Input	16 - 30 VDC, 220mA
Optical	
Lens	4mm to 12mm varifocal, F1.2
AOV in water	Horizontal: 78° Vertical: 58° Diagonal: 97°
Iris Control	Automatic
Focus Range	300mm to infinity, fixed
Water Compensation	Concentric Dome Port
Mechanical	
Dimensions	Diameter: 82mm (main body), 89mm (front end) Length: 191mm (excl. connector)
Weight	In air: 2.15 Kg In water: 1.2 Kg
Housing Material	Titanium alloy 6AL/4V ASTM B3 48
Connector	Burton 5506-1508 or customer specified
Environmental	
Operating Depth	4500 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 61000-6-3: 2007 Emission and BS EN 61000-6-1: 2007 Immunity

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