



Osprey High Resolution Colour CCD Underwater Camera

Features

- High resolution colour CCD module
- Extremely compact
- Variable external focus
- High quality optics
- 6,000m depth rating available

Applications

- Remote tooling systems
- Surveillance
- Diver use
- Inspection ROV



The Tritech Osprey colour underwater video camera incorporates the latest colour CCD technology.

Built to survive in the harsh underwater inspection environment the Osprey has been designed to provide a very high quality video output while remaining as small as is physically possible.

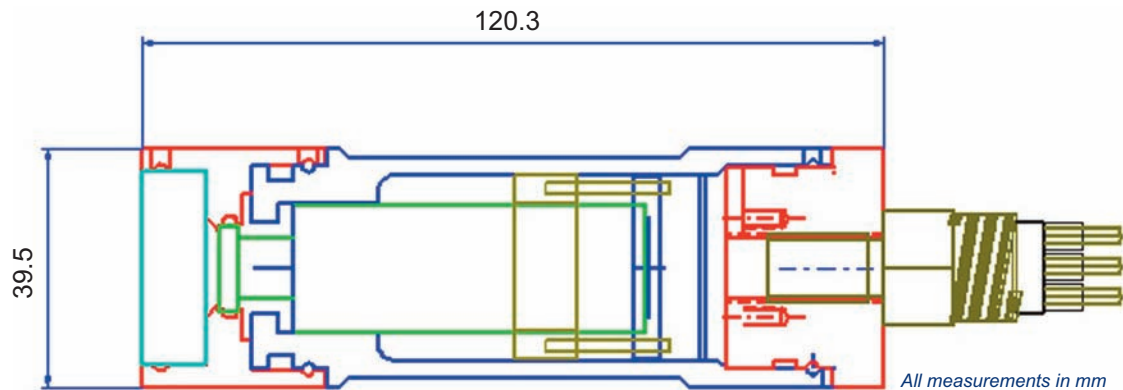
The Osprey is ideal for deep water applications, with a depth rating of 6,000m available.

The camera power supply board can accept 12-39VDC and provides excellent protection for the efficient operation of the camera module. Fitted with an integral video line driver, the Osprey compensates attenuation of the video signal when used over various umbilical lengths.

The Osprey is fitted with a high quality water corrected viewport to optimise the picture quality. This water corrected viewport results in a camera that provides a crisp picture during close proximity viewing in murky water.



Specifications



Pick-up element sensor	Ex-View HAD Hi Res 1/3inch Sony DSP Colour CCD
Effective pixels	752(H) x 582(V) - PAL 768(H) x 494(V) - NTSC
Sync system	Internal
Scanning	NTSC 525 lines PAL 625 lines 2:1 interlaced
Video output	PAL 1Vpp 75ohms
Lens	3.6mm F2
Angular view in water	65° Horizontal/ 50° Vertical
Angular view in air	75° Horizontal/ 55° Vertical
Horizontal resolution	PAL 520 Lines, NTSC 560 Lines
Minimum illumination	0.1 Lux
S/N ratio	More than 50db (AGC Off)
Shutter speed	PAL 1/50 ~ 1/100.000 sec NTSC 1/60 ~ 1/100.000 sec
Power supply	12v~39v 100mA @ 24V
Pressure housing	Stainless steel (Aluminium optional)
Depth rating	4,000m or 6,000m available
Diameter	39.5mm
Length	120.3mm without connector (155.3mm fitted)
Weight in air	0.6kg
Weight in water	0.5kg
Operating temperature	-5°C to +40°C
Storage temperature	-5°C to +50°C

“This camera is not designed for use in a helium/oxygen atmosphere”

All specifications are subject to change in line with Tritech's policy of continual product development.

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