

Applications

- Tooling
- Divers Helmet Mount
- Inspection
- Rov Manipulator

Reef Shark SD



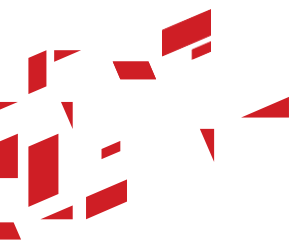
Compact Inspection SD Colour Camera

- Fixed Lens
- 64° AOV
- 4000msw Depth Rating

The very small and lightweight Reef shark standard definition colour camera has been designed primarily for use in subsea environments and are ideally suited to proximity inspection tasks including divers helmet mount or for all types of inspection purposes, ROV manipulator wrist applications and tooling operations.

The Reef is fitted within an extremely compact and rugged 4000msw depth rated Duplex Stainless-Steel housing.

The camera has a fixed focus lens with a 64° diagonal angle of view in water. The Reef provides a standard definition composite video signal output via the Seacon MCBH6M connector or customer specified external connector.



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Technical Specifications

Performance	
Horizontal Resolution	750TVL
Light Sensitivity	0.1Lux
Video Format	SD Composite Video
Electrical	
Scan Standards	625 lines 50Hz PAL 525 lines 60 Hz NTSC
Power Input	12 VDC /0.7w
Optical	
Lens	Fixed
AOV in water	Diagonal: 64° Horizontal: 53°
Front Port	Acrylic (Flat)
Focus Range	200mm to infinity
Mechanical	
Dimensions	Diameter: 30mm Length: 86mm (excl. connector)
Weight	In air: 0.5 Kg In water: 0.15 Kg
Housing Material	Duplex Stainless steel
Connector	Seacon MCBH6M or customer specified
Environmental	
Operating Depth	4000 msw
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

