



Hammerhead II PRO

Applications

- IMR Tasks
- Drill Support
- Inspection and Survey
- General Observation Tasks



High End Colour Zoom SD Camera

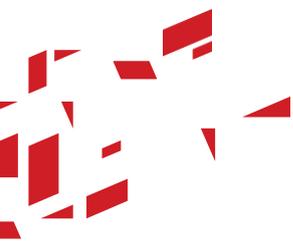
- 30:1 Zoom Lens
- 71° AOV
- 6000msw
Depth Rating

The Hammerhead II PRO standard definition, colour zoom camera has been designed primarily for use in subsea environments and is ideally suited to inspection & survey applications, general observation, construction and drill support tasks.

The Hammerhead II PRO standard definition, colour zoom camera has a unique optical arrangement with a specially designed Lens system for premium optical quality. The video image is focused from as close as the front port to infinity (equipped with a 30:1 optical zoom lens), making the Hammerhead an excellent tool for both close up and stand-off inspections.

Packaged within a robust 6000msw depth rated titanium housing, the Hammerhead II PRO provides a standard definition composite video signal output via the Seacon or Burton 5506-1508 connector or customer specified external connector. Camera functions can be operated via single wire (tri-state), two wire (bi-polar) voltage control systems or using RS485 half-duplex serial control. RS232 serial control is also supported as a factory configured option.





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Hammerhead II PRO Shark SD

Technical Specifications

Performance	
Horizontal Resolution	670 TVL/PH
Light Sensitivity	0.6 lux @50fps
Video Format	Composite SD -16:9 Aspect ratio
Electrical	
Scan Standards	625 lines 50 Hz PAL 525 lines 60 HZ NTSC
Sensor Elements	752 (H) x 582 (V)
Video Output	1V pk-pk composite video into 75Ω
Power Input	24 VDC, (12-36v) 5w
Control	Single wire (tri-state), two wire (bi-polar), RS232, RS485
Optical	
Lens	30:1 zoom lens
Port	
AOV in water	Diagonal: 71° Horizontal: 64°
Focus Range	Front port to infinity (at wide angle) 850mm to infinity (at tele angle)
Mechanical	
Dimensions	Diameter: 117mm main Body (140mm front end) Length: 226mm, (excl connector)
Weight	In water: 2.5 Kg In air: 5.0 Kg
Housing Material	Titanium
Connector	Seacon or Burton 5506-1508 or customer specified
Environmental	
Operating Depth	6000 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

Hammerhead II_Datasheet_Rev.A

