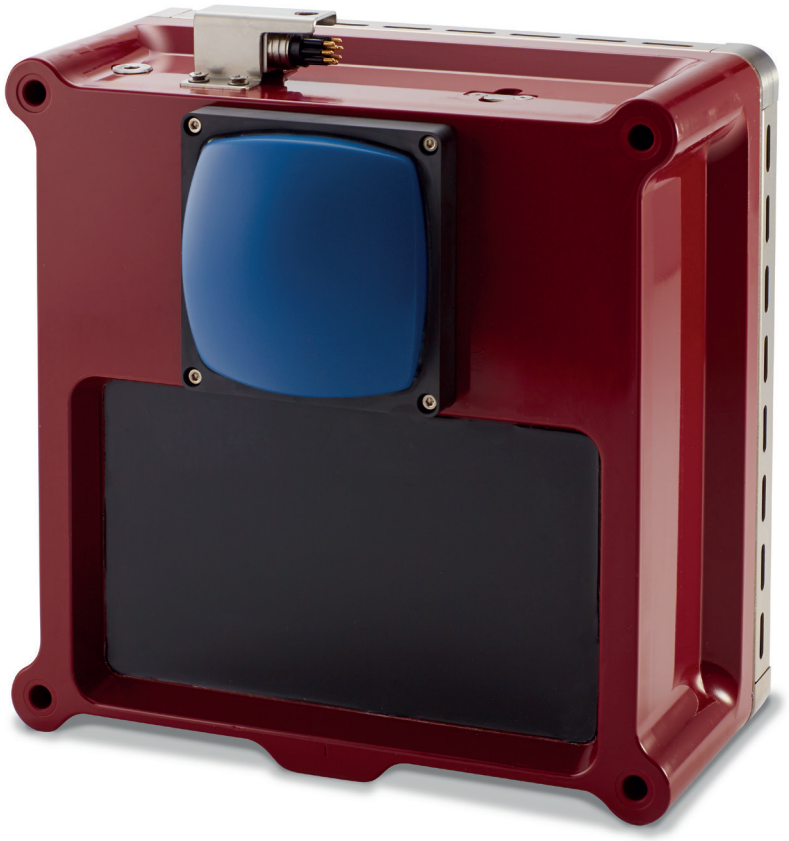
Coda Octopus:3D
Real-Time Sonar Solutions

/Echoscope® C500



Benefits

Improved situational awareness
Real time decision making
Increased productivity
Maintain subsea operations in zero visibility
Minimises non-productive time
Enhanced safety
Expert 24x7 Technical Support

Applications

Port and Harbour security
Infrastructure inspection
Dredging and rock dumping
Cable laying, burial and pull-in monitoring
Scour inspection
Marine salvage
Diver monitoring
Obstacle avoidance and ROV navigation
Decommissioning
Contraband detection
Biological studies (fisheries, marine mammals)
AUV and ROV 3D Volumetric Mapping

The Echoscope C-Series. Compact real-time 3D sonar for performance and economy

The Echoscope C500 forms part of the new Echoscope Compact Series (C-Series). The C500 is based on our patented Echoscope technology and delivers real-time 3D sonar capability in a smaller, lighter, ruggedised form factor with reduced power requirements.

The Echoscope C500 is suitable for ROV and AUV based applications as well as vessel deployments. The unit outputs real-time 3D data at beam widths of 1.1° x 2.1° (375 kHz) and 0.6° x 1.2° (610 kHz).

Fully integrated with our powerful Underwater Survey Explorer software, the C500 can be used with the full range of functionality available including the latest Models+ module allowing dynamic control of sonar augmented 3D models in the 3D Workspace. The C500 allows the acquisition of full real-time 3D data in a time efficient manner.

Features

- High Definition 3D sonar image generated in real time
- Mosaicing capability
- Displays complex moving structures accurately
- Accurate even in turbid water
- Suitable for installation on ROV, vessels, barge or crane
- Accurate geo-referenced data
- Versatile DTM output options
- Very easy to use even by non-sonar experts such as crane operators and law enforcement officers

Coda Octopus
Sound Underwater Intelligence

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/Echoscope® C500

Technical Specifications

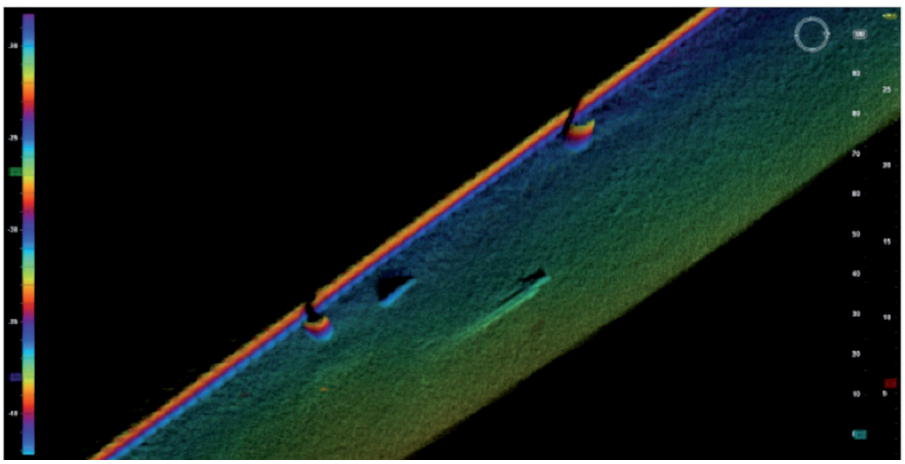
Performance	Echoscope® C500
Frequency*	375 and 610 kHz
Number of beams	128 x 64 (8,192 total)
Maximum range**	80m (262ft)
Minimum range	1m (3.3ft)
Range resolution	3cm (1.2")
Update rate (ping rate)	Up to 12Hz
Angular coverage	50° x 50°, 50° x 25°, 25° x 50°, 25° x 25° software selectable
Beam spacing	0.39° (Hor.) x 0.78° (Vert.) at 375 kHz or 0.19° (Hor.) x 0.39° (Vert.) at 610 kHz dependent on angular coverage

**Software selectable*

***The actual working range will depend on the target's size, reflectivity, and the level of detail required for the application*

Physical	
Dimensions (h x w x d) (excluding connectors)	292 x 300 x 171.5mm (11.5" x 11.8" x 6.75")
Weight in air	17.3 kg (38 lbs)
Weight in water	7.5 kg (16.5 lbs)
Power consumption (Typical)	2.05A at 24Vdc
Depth Rating	600m (1,968ft) with 3,000m (9,840ft) option

Interfaces	
Sonar head to control unit	Single cable for power, data and control
Control unit to top-end PC	Ethernet and RS232



Echoscope C500 data. St. Petersburg, Florida

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Scan Code to find out more

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