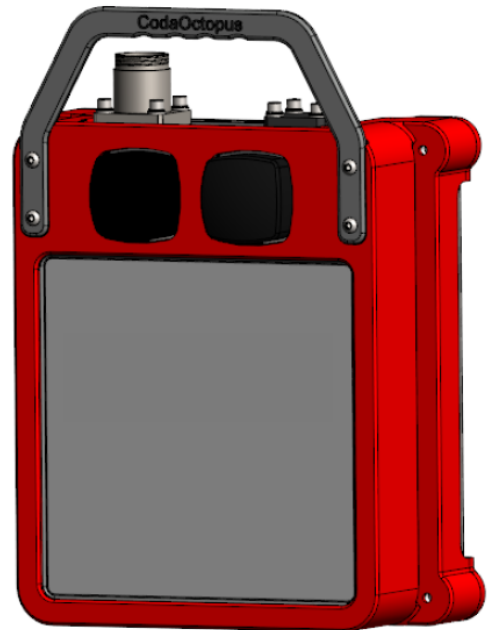


Benefits

Anti-Scratch protection for the Echoscope^{4G}® and Echoscope® PIPE sonar series

Protects the sacrificial anode from corroding quickly after accidental damage

Protects against marine fouling



Anti-scratch and Anti-corrosion protection for the Echoscope^{4G}® and Echoscope® PIPE sonar series.

Sonars which are supplied in aluminium housing are supplied with a replaceable encapsulating cover for the sonar head, protecting the hard-anodised aluminium housing from light impact, scratching and marine fouling. The protective cover can be removed for general cleaning of the unit and removal of any marine fouling from the cover. Made from Derlin™, the cover is a lightweight, easy to install protection accessory.

	Height	Width	Depth
Echoscope^{4G} (Dual Frequency)	338mm (13.29in)	311mm (12.22in)	147mm (5.80in)
Echoscope^{4G} (Triple Frequency)	366mm (14.39in)	311mm (12.22in)	158mm (6.22in)
Echoscope^{4G} C500 (Dual Frequency)	241mm (9.51in)	311mm (12.22in)	157mm (6.18in)
Echoscope^{4G} C500 (Triple Frequency)	270mm (10.61in)	311mm (12.22in)	167mm (6.57in)
Echoscope^{4G} Surface (Dual Frequency)	330mm (12.99in)	303mm (11.93in)	132mm (5.21in)
Echoscope^{4G} Surface (Triple Frequency)	358mm (14.09in)	303mm (11.93in)	143mm (5.63in)
Echoscope^{4G} C500 Surface (Dual Frequency)	242mm (9.51in)	311mm (12.22in)	132mm (5.19in)
Echoscope^{4G} C500 Surface (Triple Frequency)	270mm (10.61in)	311mm (12.22in)	142mm (5.61in)
Echoscope^{4G} XL (Dual Frequency)	381mm (14.98in)	300mm (11.81in)	158mm (6.23in)
Echoscope^{4G} XL (Triple Frequency)	414mm (16.28in)	300mm (11.81in)	158mm (6.23in)



Coda Octopus

Sound Underwater Intelligence

Technical Specifications		
Performance (by Model)	Dual Frequency	XD Triple Frequency
Frequency	375 and 630kHz software switchable	240/375 and 630kHz software selectable
Number of beams	128 x 128 (16,384 total)	128 x 128 (16,384 total)
Maximum range*	120m (394ft) at 375kHz 80m (262ft) at 630kHz	From 150m (492ft) at 240kHz 120m (394ft) at 375kHz 80m (262ft) at 630kHz
Minimum range*	0.5m (1.64ft)	0.5m (1.64ft)
Range resolution	2cm (0.8in)/ 3cm (1.2in)*	2cm (0.8in)/ 3cm (1.2in)*
Update rate (ping rate)	Up to 20 Hz software selectable	Up to 20 Hz software selectable
Angular coverage	50° x 50°, 24° x 24°	90° x 44°, 50° x 50°, 24° x 24°
Beam spacing	0.39° or 0.19°	0.70° to 0.19°
*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 and handles)	328mm x 301mm x 144mm (12.9in x 11.8in x 5.7in)	361mm x 301mm x 155mm (14.2in x 11.8in x 6.1in)
Dimensions (h x w x d) (including Echoscope® Protective Cover)	338mm x 311mm x 147mm (13.3in x 12.2in x 5.8in)	366mm x 311mm x 158mm (14.4in x 12.2in x 6.2in)
Weight in Air	20.6 kg (45.5 lbs)	21 kg (46.3 lbs)
Weight in Water	10.9 kg (24 lbs)	10.9 kg (24 lbs)
Power Consumption	3 - 6A at 24Vdc <i>And, up to, 10A inrush for less than 20 µs may occur on start up</i>	3 - 6A at 24Vdc <i>And, up to, 10A inrush for less than 20 µs may occur on start up</i>
Depth Rating	250m (820ft), 600m (1,968ft), 3,000m (9,840ft), with 4,000m (13,123ft) option*	250m (820ft), 600m (1,968ft), 3,000m (9,840ft), with 4,000m (13,123ft) option*
Interfaces		
Sonar head to PSU	Power: 24V DC Control: RS232 Serial Cable Data: 100Mb Industry Standard Ethernet Single cable for power, data, and control	Power: 24V DC Control: RS232 Serial Cable Data: 100Mb Industry Standard Ethernet Single cable for power, data, and control
Applications		
Port and harbor security, Infrastructure Inspection, Underwater construction, Dredging and rock dumping, Mattress laying, Cable laying, burial and pull-in monitoring, Scour inspection, Marine salvage, Diver monitoring and identification, Obstacle avoidance and ROV navigation, Decommissioning, Contraband detection, Biological study (fisheries, marine mammals)		
*Depending on operating mode		
**Available upon request		

Echoscope® Features

- High definition 3D sonar image generated in real-time
- Mosaicking capability
- Displays complex moving structures accurately
- Accurate even in turbid water
- 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

Echoscope^{4G}® Protective Cover Included

The Echoscope^{4G} sonar is supplied with a replaceable encapsulating cover for the sonar head, protecting the hard-anodized aluminium housing from light impact, scratching and marine fouling. The protective cover can be removed for general cleaning of the unit and removal of any marine fouling from the cover. Made from Derlin™, the cover is a lightweight, easy to install protection accessory.

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Sales Worldwide: +44 131 553 1380 Sales Americas: +1 407 735 2400
More Information: sales@codaoctopus.com salesamericas@codaoctopus.com www.codaoctopus.com
Technical Support Worldwide: +44 131 553 7003 Technical Support Americas: +1 888 340 2632



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