

ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
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Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

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Visit our website - *Click HERE*

Coda Octopus:3D
Real-Time Sonar Solutions

/Echoscope®



Benefits

Improved situational awareness

Highest definition of multibeam data output in the world

Real time decision making

Increased productivity

Maintain subsea operations in zero visibility

Enhanced safety

Expert 24x7 Technical Support

The most advanced real time 3D sonar in the world

The Echoscope® is the world's first and highest resolution real time 3D sonar. Built around unique patented technology, it generates a complete 3D model, composed of over 16,000 soundings, from each and every acoustic transmission. This 3D model is entirely refreshed up to twelve times per second with each new transmission.

With sounding densities far in excess of those generated by other sonars, the Echoscope® is able to take advantage of patented statistical rendering techniques to further enhance the clarity of the image, presenting the user with an intuitive and easy-to-interpret image.

When monitoring underwater activity, even when the target and the Echoscope® are moving independently of each other, the 3D imagery remains clear and accurate, giving the viewer an instant three-dimensional understanding of the underwater environment during operations.

In mapping and inspection tasks, the ping geometry of the Echoscope® will allow a target to be visualised many times in a single pass, with each view taken from a different angle. This allows complex subsea structures to be mapped with a level of confidence and detail far beyond anything than can be achieved using alternative methods.

Whether deployed on inland waterway work or large scale offshore oil and gas projects, the Echoscope® real time 3D sonar will provide clear, high definition imagery of the underwater environment.

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 vessels, ROV, 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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Technical Specifications

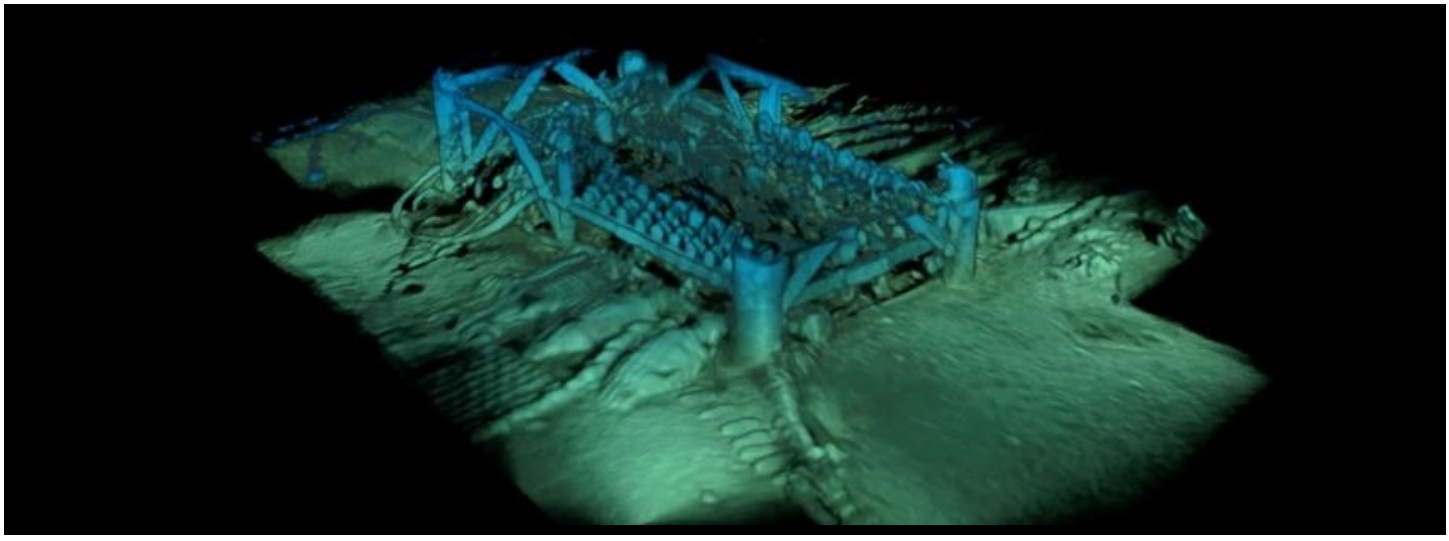
Performance (by Model)	Dual Frequency (375/610kHz)	ZOOM Multi Frequency (340-700kHz)
Frequency	375 and 610kHz software switchable	340 to 700kHz software switchable
Number of beams	128 x 128 (16,384 total)	128 x 128 (16,384 total)
Maximum range*	120m (394ft) at 375kHz / 80m (262ft) at 610kHz	From 120m (393ft) at 340kHz to 80m (262ft) at 700kHz
Minimum range	1m (3.3ft)	1m (3.3ft)
Range resolution	3cm (1.2")	3cm (1.2")
Update rate (ping rate)	Up to 12Hz software selectable	Up to 12Hz software selectable
Angular coverage	50° x 50°, 50° x 24°, 24° x 50°, 24° x 24° software switchable	As Dual Frequency and with 55° x 55° to 20° x 20° software switchable
Beam spacing	0.39° or 0.19° dependent on angular coverage	0.42° to 0.16° dependent on angular coverage

**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)	380 x 300 x 160mm (15" x 11.8" x 6.3")
Weight in Air	23.6 kg (52 lb)
Weight in Water	13 kg (28 lb)
Power Consumption	3 – 6A at 24Vdc
Depth Rating	600 m (1,968ft) with 3,000 m (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

Applications

Port and harbour 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)



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Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

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Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

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