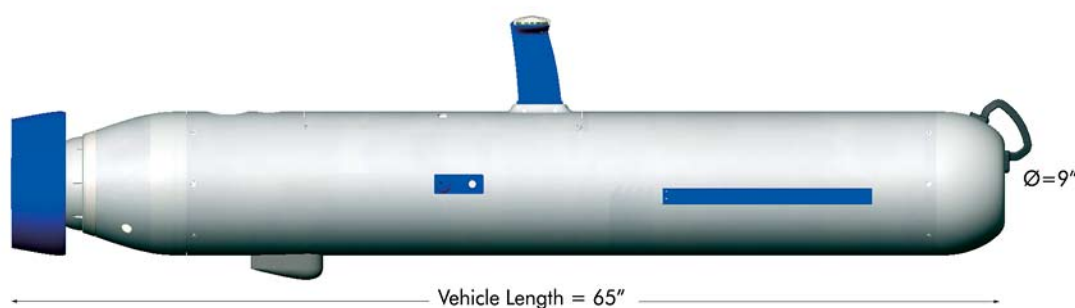




Bluefin - 9

Autonomous Underwater Vehicle

Autonomous Platform for Accurate Surveys in Littoral Waters



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Accurate Navigation

The Bluefin-9's excellent autonomous navigation accuracy eliminates the need for acoustic beacons.

This navigation system has consistently demonstrated the most accurate non-inertial, non-acoustically aided survey of any commercial or military autonomous underwater vehicle.

Ease of Use

The Bluefin-9 AUV autonomously collects side-scan sonar and CTD data in any area of interest.

It has been designed with the operator in mind, from its user-friendly software to the integrated launch and recovery handles that enable a single person to deploy the system from a variety of ships and small boats.

Modular and Field Maintainable

The Bluefin-9 is based on Bluefin's proven free-flooded vehicle architecture that maximizes payload volume without increasing the system's overall weight and facilitates in-field servicing and maintenance.

Thanks to their user-friendly batteries, Bluefin AUVs ship without ever opening a pressure vessel, thus ensuring reliability by eliminating several failure modes.

Fast Turn-around between Dives

The stand-alone, pressure-tolerant battery and data modules are both easily exchanged for fresh units through a hatch in the top of the AUV.

Changing the battery and data modules eliminates the time to recharge the batteries and download data, doubling the effective operational tempo.

Low self-noise, outstanding dynamic control, and world class magnetic and inertial navigation solutions further ensures superior payload data quality.

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Length
165 cm (65 inches)

Diameter
23.3 cm (9.2 inches)

Weight in air
50 kg (110 lbs)

Speed
3-5 knots



Sonar
900 kHz Sidescan, 2" x 2" resolution at up to 50 yds range per side

Imagery
Video camera, B&W, MPEG2 encoding

Navigation
No acoustic beacons required.
Error < 0.5% of distance, real-time
Error < 0.2% of distance, post-processing
GPS/AHRS/DVL

Endurance
Up to 12 hours

Depth rating
200 meters (650 feet)

DVL
600 kHz DVL

Modular Architecture
Easy Access for Field Maintainability.
Removable Battery Module
Removable Data Module

Standard System
Conductivity, Temperature and Depth
Turbidity Probe, Acoustic and RF modems
GPS



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