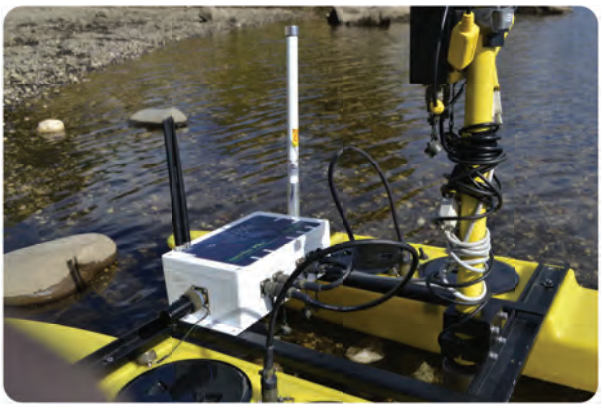
Seafloor™ AUTONAV

Autonomous Control System for USVs

The Compact AutoNav™ fits small to large Seafloor USVs



HyDrone™ USV with Integrated AutoNav™

BENEFITS

- Enables real-time monitoring of track lines
- Self-contained
- Compatible with Seafloor USV
- CAA (Collision Avoidance Assist) Adaptable

HyDrone™ USV with Integrated AutoNav™ and Hydrolite Plus™

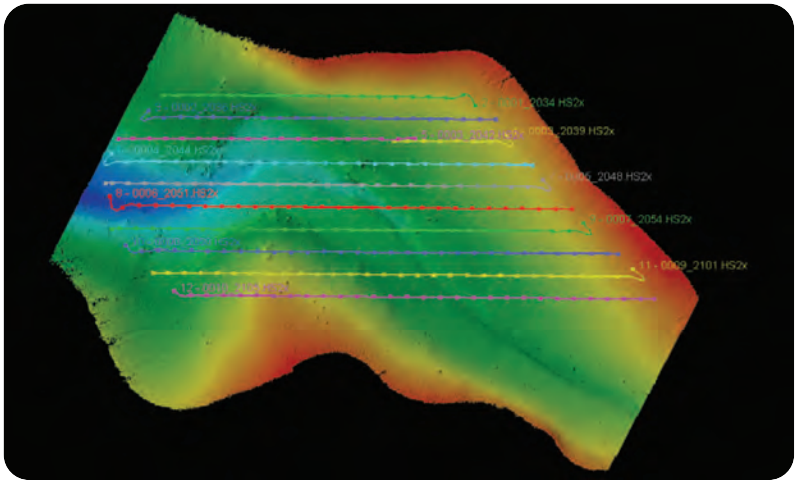
The **AutoNav™** control system enables USVs to navigate pre-programmed survey routes. Its stable firmware and redundant IMU system ensure reliability in the field. When adding it to a Seafloor USV, surveys become more precise and repeatable.

AutoNav for HyDrone and EchoBoat - Available Update

The newly redesigned AutoNav replaces the main controller, electronics, and internal wiring with precision-manufactured, quality-checked hardware. This translates to more stable, reliable, and repeatable performance. The update allows users the most up-to-date firmware for simplified tuning and more consistent survey lines. The remote control has been upgraded to a 2.4GHz/900MHz dual frequency Taranis™ remote.

UPDATE ADVANTAGES:

- New Taranis transmitter with heightened telemetry connection
- No arming button on box, all done via transmitter
- Improved reliability and repeatability
- Stay current on firmware releases (Approved by Seafloor ONLY)
- 3 x IMU (triple redundancy)
- Power supply redundancy (relevant to EchoBoats)
- Streamlined CAA integration (upgradeable)
- Dual-fequency capability (low frequency, 2000m long-range available on EchoBoats)



AutoNav Repeatable Survey Accuracy

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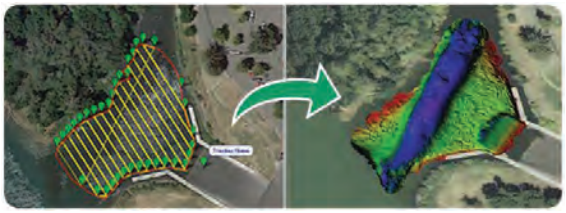
AutoNav™

Autonomous Control System



Tracklines provide improved accuracy

Plug and play for easy operation

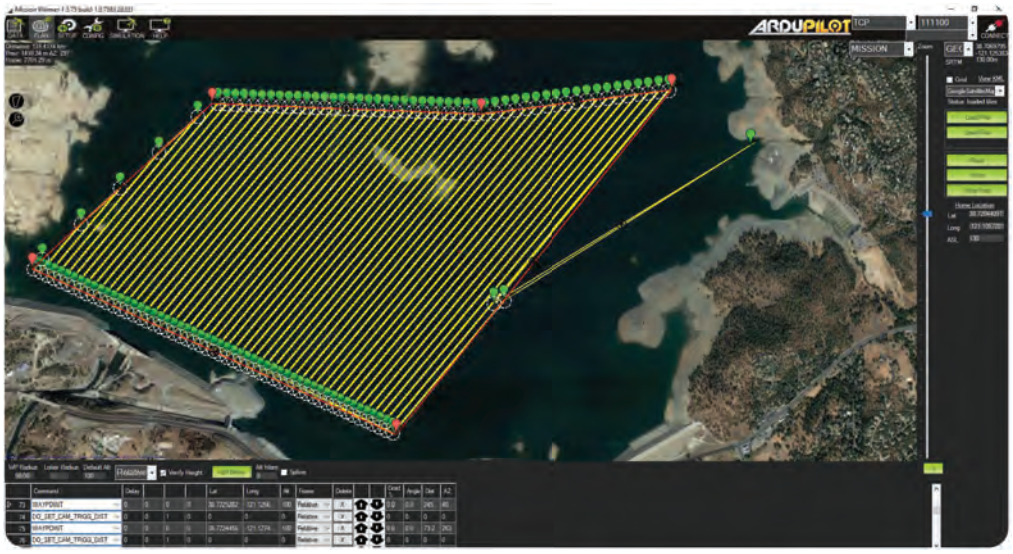
Compatible with most Seafloor Vessels

Specifications

Serial Ports	2 (GPS and Coms)
Range	2000m with telemetry
Communications	915Mhz (430Mhz EU) / USB
Environmental	IP66
Size	11.5 x 3.5 x 6.5 in / 292 x 89 x 165mm
Weight	3lbs / 1.3kg

Compatible with:

- HyDrone™
- Trident™
- EchoBoat-160™
- EchoBoat-240™
- HydroCat-180™
- Mission Planner™



Mission Planner Software

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