

EchoBoat-160™

Unmanned Surface Vessel for Hydrographic Survey Applications



The **EchoBoat-160 USV** is a purpose-built remote survey platform for hydrographic data collection. With true one-button startup, the nimble vessel accomplishes the same results demanded of large, crewed boats more efficiently and at a fraction of the cost. Like its renowned predecessors, the fifth generation EchoBoat-160 integrates professional-grade sensor suites in a compact package to navigate challenging bodies of water by remote control or autonomous wayfinding. Perform hydrographic surveys remotely, safely, and confidently with this meticulously engineered unmanned surface vessel.

KEY FEATURES

- ▶ Two-Person transportable
- ▶ 8 hour endurance
- ▶ Autonomous and Remote Control operation
- ▶ Fully customizable to fit any job and budget

OPTIONAL FEATURES

- ▶ SmartCast™ SVP/CTD Winch System
- ▶ Extended Range, Telemetry, and Control
- ▶ AutoNav™ Autopilot System
- ▶ Computer with Wifi Bridge
- ▶ Front Facing Camera
- ▶ EchoCart with LARS™ transport / launch & recovery system.

KEY UPDATES

- ▶ Single Battery Pack w/ 1-Button Startup
- ▶ Lightweight aluminum deck with improved accessibility
- ▶ Easy access watertight lid saves time during startup and when swapping sensors
- ▶ Stiffer, redesigned mast improves data collection accuracy



EchoBoat-160™ Gen 5 with optional SmartCast™ Winch

SPECIFICATIONS

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|----------------------------|---|
| ▶ Length: 1.7 m / 66.14 in | ▶ Weight in Air: Payload dependent; up to 170lbs |
| ▶ Width: 0.8 m / 31.5 in | ▶ Max Survey Speed: 3 knots |
| ▶ Height: 0.81 m / 31.9 in | ▶ Battery life: 8 hours at recommend survey speed (field swappable batteries) |
| ▶ Power: 24v | ▶ Remote Range: 2km; conditions dependent |

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