

The CEE HydroSystems CEE-USV™ is a high performance remotely-operated survey boat with a unique modular CEESCOPE™ echo sounder and GNSS package. Presenting an unrivalled simplicity of operation combined with high-grade centimeter level bathymetry results, the CEE-USV™ is the professional's surveyor's USV choice where reliability, longevity, credibility and data quality are paramount.



Simplicity of Operation. A survey tool not a science project; simply turn on the vehicle and the on-board CEESCOPE™ and start surveying. With echo sounding, positioning, data management, user control interface, RTK and data telemetry in a single enclosure there is no simpler USV to use. Minimize downtime, mobilization, and field crew headaches.

No Compromise Data Quality. The survey equipment is specifically designed for remote operation. With extreme shallow water capability, precise data timing and integrated GNSS position, high quality results are guaranteed even in difficult environments.

Exceptionally Rugged. The reinforced fiberglass construction is tough and hard wearing for longevity. With only one waterproof compartment needed, the CEE-USV™ may be safely submerged and overturned. Protective skids allow safe deployment and recovery.

Removable Bow. The bow flotation section is locked in place but easily removed to reduce the USV size for transportation but maintaining hull length for maximum performance.

Rapid Mobilization. The CEE-USV™ is set up in under 5 minutes, with the network telemetry system accessed as easily as coffee shop WiFi!

High Performance for Safety. With high power dual screws and rudders, the CEE-USV™ hits 5m/s (16fps) for safe operation in rivers, and offers the security of TRUE dual motors. Don't risk losing your equipment with cheap rudderless "tank steering" USVs with no redundancy.

CLICK on the VIDEO below to WATCH.



Dual Frequency Capable. Interchangeable 200kHz or 33/200 kHz transducers may be used.

Modular Design. The CEESCOPE™ echo sounder with GNSS may be removed and used on a manned boat directly connected to a laptop, presenting a fully flexible manned and unmanned hydrographic survey solution.

Multiple Positioning Solutions. Instead of using the on-board GNSS, a third-party receiver may be connected to the CEE-USV™ data system using Bluetooth. Install a prism for use with a robotic total station.

No Proprietary Software. Use the CEE USV™ with standard hydrographic acquisition software such as Hydromagic, HYPACK, or QINSy. Alternatively, simply record all data on board and download when the survey is complete.