



- Fully Integrated Multibeam Mobile Uncrewed Surface Vessel (USV)
- Remote controlled and Autonomous
- Total weight 20kg / 44lbs
- Multiple Grips for carry/deploy/recovery
- Requires NO Onsite Assembly
- Fully Waterproof / Self-righting
- Impact-resistant Shell
- Forward looking Camera
- 10kn Top Speed

Mobile Rugged Single-Person Deployable Multibeam USV

The CAIMAN USV is a unique, compact, integrated Multibeam USV. Requiring no onsite assembly, the system can be carried/backpacked to a location by a single operator, rapidly deployed and programmed with an autonomous mission, quickly recovered, and ready for the next location or mission.

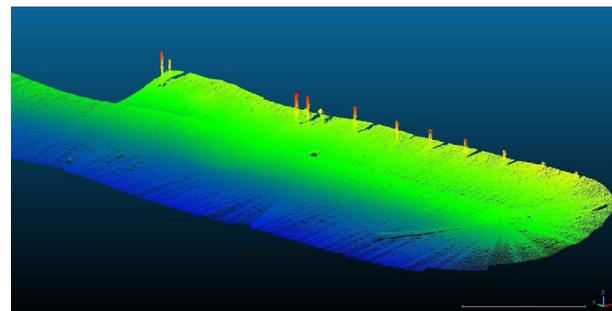
Equipped with the latest state-of-the-art professional sonars from Baywei (M1, M7, M9) and Norbit (iWBMS) or other leading suppliers, the Caiman excels in meeting the demanding requirements of maritime survey and reconnaissance tasks.

Simple, Rugged, Rapid, Efficient.





Real-time point cloud display – Baywei M1



Data from Baywei M7

SPECIFICATIONS	
Hull Type	Monohull
Hull Material	Polyethylene (PE)
Thrusters	2 semi-protected electric
Batteries	Li-Ion (Hot Swappable)
Waterproof	Fully Submersible to 3m
Dimensions (L x W x H)	1.2m x 0.4m x 0.35m
Weight without payload	15kg
Weight with Multibeam	20-25kg
Communication Range	2km (Remote and Comms)
Draft	20cm
Top Speed	10 knot
Survey Speed	2-6 knot
Duration at 2kn	7.5 - 12 hours
Duration at 3kn	3.5 - 5.5 hours
Duration at 4kn	1.5 - 2.5 hours
Duration at 6kn	1.0 - 1.5 hours
Transport	Hard Case or Backpack

APPLICATIONS

- Hydrographic Survey
- Marine Construction / Dredging
- Mining
- Reconnaissance
- Surveillance
- Foreign port/beach approaches
- Search and Recovery
- Inspection

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