

# TECHNICAL SPECIFICATIONS

# WAM-V 16



The WAM-V 16 (Wave Adaptive Modular Vessel) is an innovative class of autonomous watercraft that uses unique suspension technology to improve seagoing capabilities and to provide an exceptionally stable platform for increased quality of data acquisition.

## Hire WAM-V 16

The ideal ASV (Autonomous Surface Vehicle) for small to medium data collection projects using a variety of in and below water sensors. The small footprint, light vessel weight, and shallow draft extend the operating range from the open ocean to the most sensitive shoaling environments. Can be quickly assembled and deployed by two people. Launch and recover from shore or a vessel deck, or by its customised trailer.



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- Length 5 m
- Weight 204 kg (Lightship Condition)
- Beam 2.5 m
- Endurance Up to 15 h @ 5 kts
- Draft 0.5 m
- Propulsion 2 x 2 kW electric
- Payload capacity,;4 battery config, 113 kg; 6 battery config, 68 kg
- Speed Up to 11 kts
- Batteries Up to 6x 2,685Wh Li-ion
- GPS waypoint navigation
- Rugged GPS/INS
- Rapid Re-charging system
- Remotely Operated Command Station (ROCS). Portable, self-contained, remote/autonomous operation command station
- Short Range Radio Link. Handheld, mobile, steering, and speed RC controller. Allows control of independent of ROCS
- Encrypted wireless network
- MARCODE. C2 Software, front-end Graphical User Interface (GUI) with multimodal network software and firmware governing ROBO-HELM parameter inputs for communication, navigation, velocity, steering, and secure auxiliary sensor data transmission
- ROBO-HELM. Onboard, waterproof, self-contained computer navigation and control system. Contains GPS, INS, digital navigation, propulsion, steering, range, power usage, video camera controllers, and RF module.
- 180° FOV camera
- Navigation lights
- Intermodal Freight Shipping Container and customised Boat Trailer