



WAM-V8



WAM-V16



WAM-V22

DEFENSE & MARITIME SECURITY

Advanced autonomy for greater situational awareness

MARINE ROBOTICS

Stable, portable, and versatile unmanned surface vessel

ROBOTICS AS A SERVICE (RaaS)

Leverage our fleet of robots

www.WAM-V.com

WAM-V® Wave Adaptive Modular Vessel

WAM-V® — or Wave Adaptive Modular Vessel — an innovative class of autonomous surface vehicles (ASVs) that use an articulating suspension system to minimize structural loading. The result is a highly stable, ultra-light, modular vessel that can perform in sea conditions where an ordinary boat of similar size could no longer operate.

Three sizes of WAM-V ASVs are readily available: the ultra-portable WAM-V 8, the WAM-V 16, and the more powerful WAM-V 22 — designed and built by OPT subsidiary Marine Advanced Robotics.

- **Stable** - Increased operational efficiency by allowing stable operation in a variety of sea states
- **Portable** - Allows for quick relocation of the entire system by air, sea or ground
- **Scalable** - Common platform suitable for multiple missions with varying requirements and quickly switched payloads and instrument packages
- **Force Multiplier** - Multiple WAM-Vs expedite schedules and control costs
- **Systems Integration** - Telemetry can be viewed live as it is collected
- **Full Logistical Support** - Delivery, launch, navigation, piloting, and recovery

Navigation and Control

SHORT RANGE RADIO

Handheld, mobile, steering, and speed RC controller. Allows control of WAM-V independent of ROCS and serves as an emergency backup to ROCS.

ROCS (REMOTELY OPERATED COMMAND STATION)

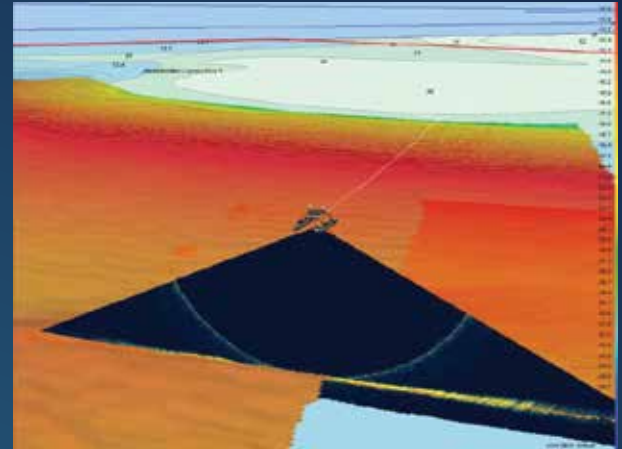
Portable, self-contained, remote operation command station. Includes MARCODE workstation, integrated handheld wireless controller, RF module, portable case, and batteries.

ROBO-HELM INTEGRATED ONBOARD CONTROL SYSTEM

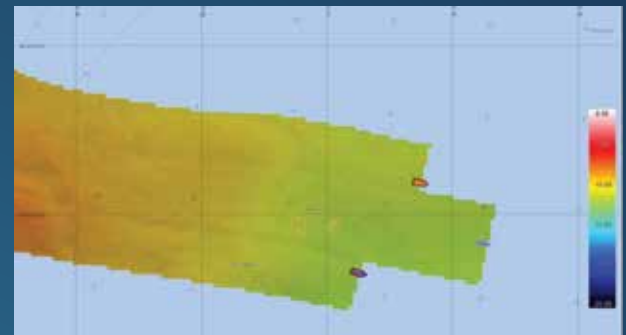
Onboard, waterproof, self-contained computer navigation and control system. Contains GPS, INS, digital navigation, propulsion, steering, range, power usage, video camera controllers, and RF module.

MARCODE CONTROL AND COMMUNICATION SOFTWARE

PC, tablet, and mobile 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.



Example of WAM-V data collection input



WAM-Vs in force multiplier role

