

Tactical Module Hunter

Actionable mine hunting data

A containerised remotely operated vehicle (C-ROTV) suited for expeditionary mine counter measures from Vessels of Opportunity and work class USVs. Air transportable, rapidly deployable, highly manoeuvrable. →



Tactical Module Hunter delivers focused area search, detection and identification capabilities to support homeland defence or expeditionary operations to a depth of 200m.

With MCM route survey operations in mind, the automated survey workflow management enables remote monitoring of mission progress, while real-time change detection highlights newly emerged or shifted features between survey passes, enabling rapid decision making and faster progress on task.

Key Features

- Low drag and highly manoeuvrable
- Low power demand: more power to the mission
- Suitable for work class autonomous vessels
- Automated Launch and Recovery
- Detection of buried ferrous objects
- Low training requirement
- Max depth 200m

Applications

- Expeditionary mine counter measures
- Supports theatre entry and rapid environmental assessment
- Reactive focused area search
- Routine change monitoring
- MCM Route survey operations
- Object identification
- Cable and pipeline detection and tracking
- Wide area search

Tactical Module Hunter minimises power consumption by the mission payload to give the mission planner the greatest operational range or coverage. Automated survey workflow management enables remote monitoring of mission progress. Cable and pipeline detection and tracking provide continuous monitoring of infrastructure integrity.

Users gain a unified map view, drill down reports, and auditable traces of all detections, changes, and identifications for compliance and risk management. The solution scales from small sites to extensive networks, supporting offline operation, secure data sharing, and configurable reporting to suit mission requirements.

Tactical Module Hunter can be supplied with an integrated operations room for two operators or as a remote unit, exporting real time information to an operations room onboard the host platform or via comms link to an Operations Centre ashore.

Tactical Module Hunter



Specifications – ViperFish Remotely operated towed vehicle (ROTV)	
Area Coverage Rate	1.6 km ² /hr
Tow Speed	2 to 10 knots
Position Accuracy	< 1 m DRMS
Power requirements	600 W Total Power Consumption
Sensors	Wavefront Solstice Multi-Aperture Sonar, R2 Sonic 2020 Multibeam Echosounder, Valeport SVS, OFG HyperMag Magnetometers
Flight Software	Auto-flight Capability using EIVA Flight Control Software
Survey Software	EIVA NaviSuite Nardoa, On-board ATR
Tactical Module Configuration	
Dimensions	6.10 m x 2.44 m x 2.59 m
Approximate Weight*	13 MT
Power*	125A 440V / 55 kW

*Varies according to final specification

