



SPECIFICATION SHEET

Unmanned Maritime Dominance

TOMS-9

OPERATOR OVERVIEW

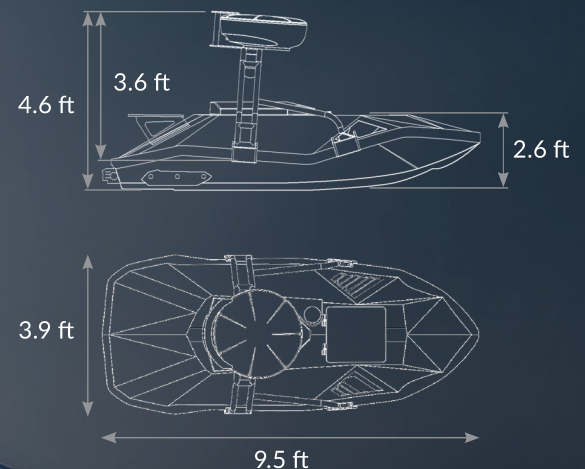
The TOMS-9 is a compact, high-speed unmanned surface vessel originally developed as a high-speed moving surface target (HSMST) alternative for the U.S. Navy.

Since its inception in 2016, it has evolved into a mission-adaptable platform for hydrographic survey, sensing, environmental monitoring, and autonomous swarming.

Built on a commercially available personal watercraft chassis, TOMS-9 ensures high reliability, ease of maintenance, and minimal logistical burden. Its modular payload architecture and advanced communication systems support dynamic mission profiles with real-time autonomy and minimal operator supervision.

CAPABILITIES

- Persistent Intelligence, Surveillance, and Reconnaissance (ISR) in denied waters
- Communications relay / mesh network extender
- Decoy and signature replication platform
- Remote resupply to austere shorelines
- Distributed sensing across multiple assets
- Manned / unmanned teaming for live-fire exercises
- Autonomous buoy deployment and data relay



PLATFORM SNAPSHOT

Specification	Detail
Length	9.5 ft / 2.8 m
Beam	3 ft 11 in / 1.2 m
Propulsion	Jet drive
Payload Capacity:	220 lbs / 100 kg

PERFORMANCE

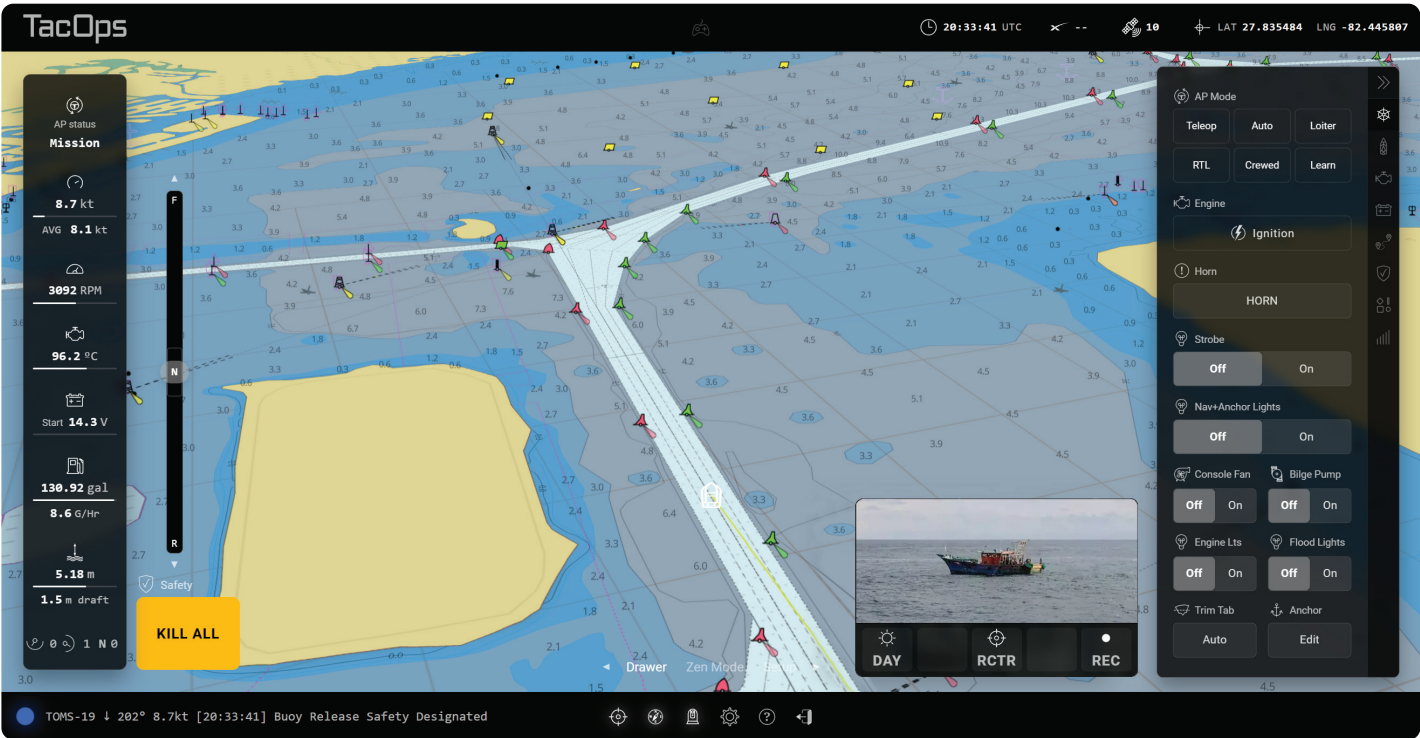
Parameter	Value
Cruise Speed	30 knots
Top Speed	50 knots
Range	150 nautical miles (mission dependent)
Endurance	6-24 hours (mission dependent)

PAYLOAD OPTIONS

- EO/IR, Radar, RF, and Acoustic sensing packages
- Mesh, LTE, and SATCOM relay modules
- Counter-UAS detection systems
- Electronic Warfare (EW) and Signals collection
- Environmental / Oceanographic sensors

CONTROL SYSTEMS

- Remote, supervised, or fully autonomous vessel operation
 - Mesh-enabled command and control architecture
 - Integrated offline mapping for GPS-denied navigation
 - Real-time vessel telemetry, health
- monitoring, and system diagnostics
 - Multi-sensor data integration for enhanced situational awareness
 - Incorporates SeaScan™ control algorithm that continuously monitors vessel motion, wave interaction, and load condition to dynamically adjust
- speed and heading in real time. This enables TOMS-9 to maintain mission effectiveness while reducing slamming loads, protecting onboard systems, and extending operational envelopes in degraded sea states.



DELIVERY MODEL

UxS-as-a-Service (UxSaaS). TacOps provides the platform, operators, and sustainment. Customers receive on-demand capability without ownership or maintenance burden.



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Attributable. Modular. Mission-Ready.