



MARINE TRACER™

Ready to launch
in seconds.

Powered by Marine Tensor™

Marine Tracer™-RTK model shown

Marine Tracer™ is a portable, single operator USV (uncrewed surface vessel) combining compact form factor with real-time imaging and autonomous navigation for a variety of marine applications.

Ready to launch in seconds, Marine Tracer™ can target multiple waypoints with precise accuracy and perform underwater sonar scans.



FEATURES



AUTONOMOUS NAVIGATION

Use the intuitive touchscreen interface to set up autopilot with multiple waypoints in a single route.



CLOUD-BASED DATA MANAGEMENT

Vessel status, real-time mission progress, and past mission records — safely access your data from a secure cloud portal.



REAL-TIME DATA DISPLAY

View sonar and HD optical footage in real-time using picture-in-picture display.



DUAL FREQUENCY SONAR AND OPTICAL IMAGING

Choose from side scan, down scan, and dual frequency sonar. Adjust frequency on the fly while scanning for key targets: individuals, objects, and structures.



RTK* WITH REAL-TIME GEOTAGGING

Geotag important locations of interest using real-time kinematic (RTK) positioning data. Receive reliable and accurate coordinates up to 20 millimeters.



COMPACT AND EASY TO LAUNCH

No WLAN stations or field PCs required. At only 0.83 m (32.6 in) and 10.4 kg (22.9 lb), just switch on and use the dedicated 7" touchscreen controller to run the mission.

**Available on Marine Tracer™-RTK model.*



Marine Thinking Inc.
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Learn more about our products
at MarineThinking.com



Powered by Marine Tensor™

Marine Thinking's USV platforms are powered Marine Tensor™, our AI-driven control and communication system that provides intelligent performance and self-operation capabilities to crewed and uncrewed surface vessels.

Utilizing AI recognition and analysis of multiple data streams, Marine Tensor™ autonomously calculates and implements the optimal navigation strategy for Marine Tracer™ to successfully complete the pre-set mission route.

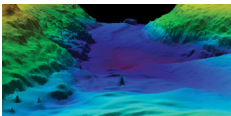
APPLICATIONS



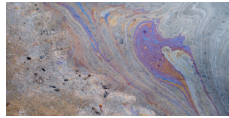
LIMNOLOGY



AQUACULTURE & FISHERIES



BATHYMETRY



ENVIRONMENTAL MONITORING



PORT & INFRASTRUCTURE INSPECTION



SEARCH & RESCUE



BECOME A DISTRIBUTOR

Interested in joining the Marine Tracer™ distributor program? Let's chat.

We offer multiple program tiers to accommodate your business size, budget, and inventory volume. As with any true partnership, we bring a "collaboration creates opportunity" mindset to the program – ensuring our partners have the tools and support to be successful.

DISTRIBUTOR BENEFITS

- Tiered purchase pricing and incentives
- Digital sales and marketing resources
- Distributor product training program
- Dedicated support hours from MT Technical Team

TO LEARN MORE, CONTACT SALES@MARINETHINKING.COM.

SPECIFICATIONS

Vessel	
Dimensions	0.83 x 0.52 x 0.30 m (32.6 x 20.5 x 11.8 in.)
Length	0.83 m
Beam	0.52 m
Weight*	10.4kg (22.9 lbs)
Hull Material	Injection-Molded ABS
Propulsion	Dual Brushless 12V DC Motors
Battery	QUAD 128 Wh LiFePO4
Waterproof Rating	IP55
Operating Range	2 km (1.24 miles)
Speed (operational)	1 knot
Speed (maximum)	2 knots
Endurance (operational)	5.5 hours
Endurance (standby)	40 hours
Operational Environment	Beaufort Scale 2
Operating Temperature	0-40 °C (32-104 °F)
Dual Duct Fan Propulsion Kit	Optional
Controller	
Dimensions	272 x 140 x 70 mm (10.7 x 5.5 x 2.7 in)
Weight	1.1 kg (2.4 lbs)
Screen	1080p FHD IPS Touchscreen
Waterproof Rating	IP67
Endurance	8-15 hours

Sonar	
Sonar Features	Side Scan, Down Scan, and Dual Frequency CHIRP
Sonar Depth	Side Scan: 146 m (480 ft) @ 455 kHz, 23 m (75 ft) @ 1075-1150 kHz
	Down Scan: 146 m (480 ft) @ 455 kHz, 23 m (75 ft) @ 1075-1150 kHz
	Dual Frequency: 366 m (1,200 ft) @ 140-240 kHz
Positioning	GNSS RTK** (up to 20 mm)
Optical Camera	
Resolution	1080p FHD
Field of View	120°
Lights	Dual 400 Lumens
Temperature Probe	Yes

*Battery weight not included.

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