

MARINE TRACER™

Powered by Marine Tensor™



VESSEL SPECIFICATIONS

Physical		Communications	
Dimensions	0.83 x 0.523 x 0.30 m (32.6 x 20.5 x 11.8 in.)	Navigation Remote Frequency	2.4 GHz FHSS
Length	0.83 m	Communications Range	1.0 km
Beam	0.5 m	Performance	
Draft (unloaded)	0.09 m	Speed (operational)	0.7 m/s
Draft (maximum)	0.15 m	Speed (maximum)	1.4 m/s
Freeboard (unloaded)	0.11 m	Endurance (operational)	5 hours
Freeboard (maximum)	0.05 m	Endurance (standby)	40 hours
Cabin Height	0.08 m	Power (standby)	12 W
Weight (unloaded)	8.2 kg	Power (operational)	98 W
Weight (operational)	11.5 kg	Power (maximum)	420 W
Weight (maximum)	16.0 kg	Power Consumption (standby)	1 A
Hull Material	Injection-Molded ABS	Power Consumption (operational)	8 A
Propulsion	Dual Brushless 12V DC Motors	Power Consumption (maximum)	30 A
Battery	Dual 11.1V 22Ah LiPo	Operational Environment	Beaufort Scale 3
Waterproof Rating	IP56	Operating Temperature	0-40 °C
Integrated Payload		Traction Force	3 kN
(dimensions)	26.5 x 16 x 9 cm		
(maximum weight)	8 kg		



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CONTROLLER SPECIFICATIONS



SENSOR SPECIFICATIONS

Physical		SONAR	
Dimensions	272 x 140 x 70 mm	SONAR	Down Imaging, Side Imaging, Dual Spectrum CHIRP
Weight	1.1 kg	Coverage	Up to 86° FOV
Screen	1080p FHD IPS Touchscreen	Depth	Up to 1200 ft
Battery	20000 mAh Lithium Ion	Frequency (CHIRP)	Down Imaging (1075-1150 kHz) Side Imaging (1075-1150 kHz) 455 kHz (440-500 kHz)
Charging	USB Type-C (9V 2A), 18 W Fast Charge	Depth (Down Imaging)	75 ft (1075-1150 kHz), 480 ft (455 kHz)
Interface	SBUS/PPM, RJ45 Network Interface, Wireless RTSP Video Streaming and Sharing, USB-A, USB-C, MicroSD	Range (Side Imaging)	75 ft (1075-1150 kHz), 480 ft (455 kHz)
Waterproof Rating	IP67	Other	GPS Chartplotting GPS Trackplotting Temperature Sensor
Communications		Optical Camera	
Number of Channels	16	Dimensions	102.1 x 42.6 x 36.5 mm
Modulation	FHSS	Weight	55 g
Frequency	2.4 GHz (2.400-2.483 GHz)	Resolution	1080p FHD
RF Power	20 DB@CE / 23 DB@FCC	Field of View	120°
Performance		Lights	Dual 400 Lumens
Endurance	6-20 hours	Working Current (light on)	140 mA
		Working Current (light off)	14 mA
		Working Voltage	14-72 V



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