

TACTICAL --- SONAR EMILY

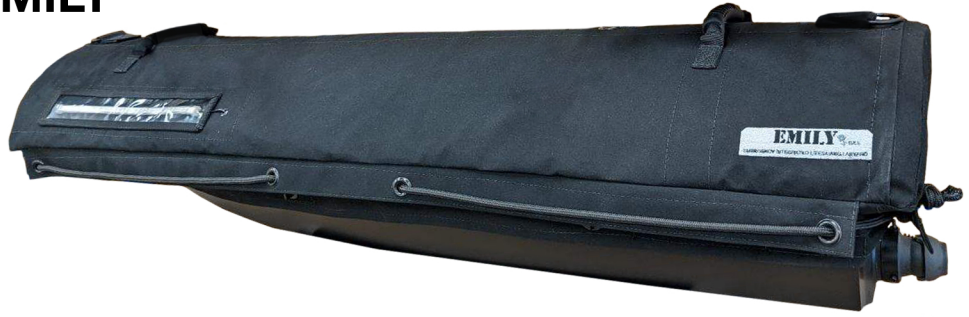


HYDRONALIX



TACTICAL SONAR EMILY

- Weight 37 lb
- Length 50 in
- Self-righting
- 2.2 KW Motor
- Night Navigation Lights
- Positive Buoyancy 150 lb
- Speed 18 mph or 16 kts
- Reversing Bucket (optional)
- 240 WH Battery (444 WH High Capacity Battery Optional)
- Duration 3 - 6 hrs at 2 mph or 1.5 kts in calm water
- Waterproof High Power LED Headlight
- AutoChart Live with depth, vegetation and bottom hardness mapping
- MEGA Side Imaging, MEGA Down Imaging, CHIRP Digital Sonar, DualBeam Plus CHIRP (Compressed High Intensity Radar Pulse)
- Side and Down Imaging Frequencies 455 kHz (420 - 520 kHz), 800 kHz (790 - 850 kHz)
- MEGA 1.2 MHz (1.125 - 1.300 MHz)
- 2D Frequencies 175 and 225 kHz
- Sonar maximum depth 1,500 ft
- GPS and chart/map to assist day and night navigation
- Autonomous control above 3 mph or 3 kts
- Upgradeable to Cellular GSM Communications
- Antennas built into Cover for low overhang operations (piers and docks)
- Sonar control and imagery have a 1,600 ft range from EMILY to phone or tablet
- Live Sonar data
- Additional 4 ft Flag with Antenna for extended range
- Jet Pump Drive made of Aerospace Composites and Ceramic Bearings
- Waterproof Internal Modular Components
- Ergonomic Grab Handles built into Cover
- High-grade Industrial Marine Fabric Float Cover
- Fast Smart Battery Chargers
- Frequency hopping 2.4 GHz Transmitter Controller with 3 watt Amplifier
- 5.8 GHz WIFI Radio for Sonar system (optional) 10 watt and 20 watt
- Compatible with MPU5 Military Radios
- Warning Indicator Light (indicating battery and range) located on Tablet
- Export Control - EAR99



HEPTSEM2000



Items have been developed in part under the assistance of multiple U.S. Federal SBIR/STTR contracts listed below:

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Patents Include:
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