

U_TRACKER L



U_Tracker-L is a multifunction Autonomous Underwater Vehicle designed for oil & gas, oceanography and ultra-high-precision mapping in line with the most stringent industry standards.

The system offers high-resolution sonar, high-resolution cameras, long endurance, INS-FOG, GNSS-denied operations, edge computing, post mission analysis.

Key features:

- Automatic sonar target identification;
- Effective operation in poor or zero visibility;
- Low magnetic signature (composite hull);
- 5 DoF control: hovering and point rotation;
- Fixed Depth and Terrain Following navigation;
- Surface remote control via long-range RF;
- Low-noise design with oil-immersed components;
- Maximum Operational Depth: 1000 m

Payloads:

- USBL - EvoLogics S2C M 18-34
- INS-FOG - Phins C9 Compact
- Obstacle Avoidance - Blueprint Oculus MT-750D
- DVL - Nortek DVL 500 Compact
- Camera and lights - Voyis Observer Survey Series
- S6000 Micro - 12MP + Nova Micro LED Strobe
- SSS + MBES + SBP - Edge Tech 2025 /SSS + MBES - Ping 3DSS / SSS + MBES - SAS
- Magnetometer - Ocean Floor Geophysics
- Sound Velocity Profiler - Valeport - OEM

Dimensions:

- Length: 4-4,1 m according to requested mission duration and payload modules
- Diameter: 26-28 cm

Approximate weight:

- Air: ~ 160-185 kg
- Water: ~ 4.0 kg positive buoyancy

Propulsion:

- 1 main stern propellers
- 2 horizontal thrusters
- 2 vertical thrusters

Technical Specs

- **Maximum** speed: 5 knots
- **Cruise** speed: 3 knots
- **Endurance**: 10 hours

Controls:

- Pre-programmed patterns
- Acoustic modem data
- Periodic UW GPS fixes
- Radio link
- Acoustic tracking system

Energy supply:

Internal rechargeable Li-Po battery set

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