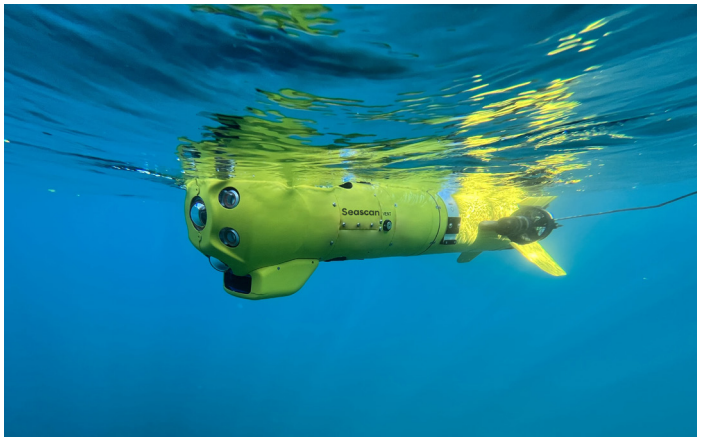
Seascan-M

Mine identification Remotely Operated Vehicle



Powered by a rechargeable battery, the Seascan-M takes advantage of the real time sensor data gathering through the optical fiber without the limitations of classical ROV powered through its umbilical.
It is the preferred mine inspection ROV for harsh environmental conditions (strong current), in obstructed area.

SELF-POWERED, HIGH PERFORMANCE ROV

- Lightweight battery-powered ROV
- Unmatched stability and hovering capabilities
- High resolution sonar
- 3 fixed cameras for efficient close inspection
- Fiber optic link to USV or MCM Vessel
- Low magnetic and acoustic signature
- Advanced navigation algorithms for semi-automatic navigation

OPERATIONAL PERFORMANCE

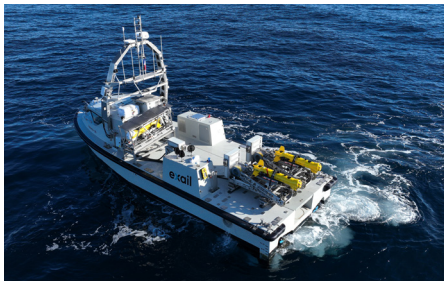
Endurance	Up to 3 hours
Max speed	5 knots
Max operational depth	300 m
Operational range	Up to 1500 m

CHARACTERISTICS

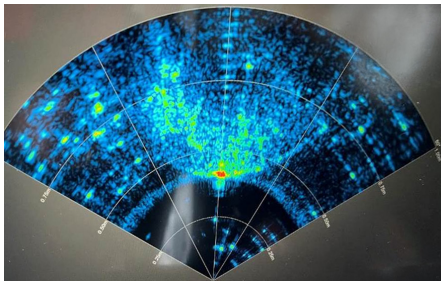
Length	1725 mm
Height	415 mm
Width	500 mm
Weight	55 kg max
Propulsion	Thrusters: 2 horizontal and 2 vertical
Sensors	1x High resolution sonar 3x HD video cameras 4x LED search light

SONAR SPECIFICATIONS

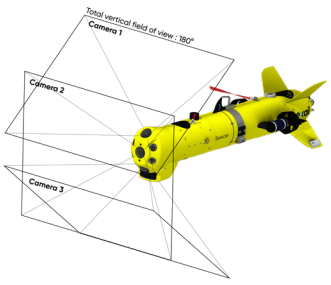
- Dual frequency:
  - 720 kHz for long range target detection
  - 1200 kHz for enhanced high-resolution imaging at shorter ranges
- 120° horizontal field of view
- Real-time updates for video-like imagery



Seascan-M on their LARS on Inspector 125 USV



Seascan-M high-resolution sonar image



Seascan-M: 180° vertical field of view

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