

MINIRANGER

Unmanned Surface Vehicle

The Miniranger is a compact and effective unmanned vehicle created to perform autonomous underwater surveys, along with a wide range of other underwater tasks.

MAIN TASKS:

- Marine drone tor underwater and minehunting missions
- > Security and surveillance
- Search, localization and classification operations performed on areas being surveyed
- > Site survey performed using payloads sensors

The control station can be placed out ot the operational area, on shore or aboard a support vessel. The system enables a significant reduction ot personnel and operational costs and provides maximum satety even in harsh and dangerous areas.

KEY FEATURES:

- Hull-mounted payload including sidescan, sonar and multibeam sonar
- > Deployable payload including sidescansonar (towed), mini ROV, currentprofilers, seawater samplers, magnetometers
- > Transportability by means of a standard 20 ft container
- Remote-control panel, providing realtime data for real-time decision-making



100 m

Featuring:

- > GPS
- > Compass
- > Echo-sounder
- > Videocamera
- > Altitude control
- > Obstacle avoidance

TECHNICAL CHARACTERISTICS

Dimensions:	Length: 4,5 m, Width: 2,5 m (1,5 deflated)
Propulsion:	Outboard 40 HP
Mass:	800 kg full loaded
Max draught:	0,8 m
Max speed:	18 kts
Autonomy:	(fully operational): 8 h
Operational range:	10 nm control, 5 nm media data
Basic equipment:	GPS, compass, echo-sounder, video-camera
Sonar depth:	100 m, with altitude control and obstacle avoidance







EQUIPMENT & OPERATIONAL MODES

The sea bottom images are transmitted to the remote-control station for recording and for the operator's real-time evaluation. On-board recording is also active. The towed sonar is automatically controlled at the optimal altitude from the sea bottom, with an obstacle avoidance feature.

The Miniranger supports three operational modes:

- > Manned
- > Remotely controlled
- > Semi-autonomous

The remote-control station comes with:

- > Mission workstation for vehicles management
- > Tactical workstation for payload management
- > Control panel for remote control performed by the operator



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UNMANNED SURFACE VEHICLE

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FAST. FORWARD.

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