



Approved by
French Navy

Portable Sonar & Navigation System for EOD Divers & Special Forces



*Special Forces Covered
Navigation*



UXO Detection



*Harbour and Offshore
works Inspection*



*Search & Recovery for
Police and Firemen*

Description

Sonadive divers during recognition or object detection missions.

The embedded navigation system relies on the several sensors: heading, immersion, DVL (Doppler) and a GPS for surface initialization.

Divers can communicate with each other and the surface unit in real time via the acoustic modem, sharing contacts and their symbology (MILEC, MILCO...).

A communication module allows underwater repositioning and transmission of data to the surface. Sonar and navigation data are fully recorded allowing mission replay, data analysis and export.

With 6 hours of battery life, the autonomy can be extended by interchangeable batteries under water during mission. The products are subject to export control authorization.

Advantages

- Always safe operations thanks to the lowest magnetism on the market
- Clear Target identification underwater thanks to its large screen
- Multi-missions product
- High accuracy in target localization

Payloads & Options

- Acoustic camera: 450 kHz or 900/2250 kHz
- Video Camera: Divecam - 720 Miniature Monochrome CCD
- Large screen: 12" visible in all water conditions
- Gradiometer
- DVL

Supplied Hardware

- Floating removable GPS antenna
- Integrated short georeferenced POI
- INS
- Pressure sensors
- Wet pluggable batteries



Diver & SonaDive@ camera screen

Detection

SonaDive® is fitted with BlueView 2D Multi-Beam Sonar acoustic cameras.

Two models are available with the following equipment:

- BLUEVIEW M 450 kHz-45
- BLUEVIEW M 900 kHz/2 250 kHz-45

The cameras are interchangeable from one model to another.

Gradiometer

A fluxgate probe positioned vertically on the side of the system can be connected and disconnected during the mission thanks to its wet mate connector.

Advanced navigation capabilities

- DVL : 1200 kHz
- Floating GPS Antenna with 3 types of cable
- INS : High performance
- High accuracy pressure sensor

Communication

The transducer is connected to the surface suitcase controlled by the laptop via Bluetooth connection. This system allows the connection between the units and their monitoring in real time.

Screenshot examples



Sonar picture



Tactical picture

Navigations capacities

- Max operating depth: 100 m
- Submarine signal range: 3000 m
- Autonomy: 6 hours

Dimensions

- Height: 270 mm
- Width: 372 mm
- Length: 560 mm
- Weight: 20 kg

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