



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

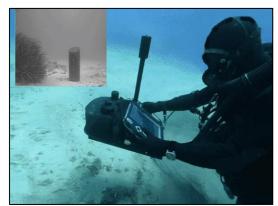
# **Supplied Hardware**

- Floating removable GPS antenna
- · Integrated shart 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 controllled 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**

· Heigth: 270 mm

• Width: 372 mm

· Lenght: 560 mm

• Weight: 20 kg

POWERED BY SDA®



