DDS-03 is a high-frequency active sonar specifically designed to protect harbours, anchored vessels and critical infrastructures against underwater threats. DDS-03 can be integrated with any surveillance system.

**Reduced false alarms**

When DDS-03 tracks a threat, it automatically generates an alert indicating the threat’s position, distance, trajectory and type of contact.

Several tactical plots shows the position of the threats and velocity, allowing 4 fields of view simultaneously 90°/180°/270°/360°.

The automatic detection, classification and tracking functions provide reliable alerts of multiple underwater targets with minimal false alarms.

**The solution for demanding scenarios**

High-performance even in difficult scenarios with unfavourable propagation conditions such as warm waters.

**Deterrent system**

Additional system for reaction against any underwater intrusion. The deterrent system allows the operator to send underwater warnings to the diver and can be installed in a patrol boat.
**KEY FEATURES**

**Coverage**
DDS-03 covers 360° surveillance. To extend protection coverage extra sonar units can be added.

Beam steering transmissions ensure detections at any deployed depth.

**Alarms, Tracking & Classification**
DDS-03 providing automatic alarms, tracking and classification. Reduced false alarm algorithms are based on Weight Of Evidence (WOE) levels.

**HMI & Displays**
DDS-03 HMI provides sonar displays and nautical charts. Simple and intuitive software. No specialist operator required.

**Dimensions & Design**
Lightweight units with compact dimensions and WiFi communication for easy installation on-board ships.

DDS-03 complies with EMI, Environmental, Chocks and Vibration standards.

**Installation**
Different forms of deployment depending on the operational use and zones to be protected. DDS-03 can be integrated with any surveillance system.

**Mobile devices**
App for easy guiding the security forces to the threat position.

**Cost Effective**
COTS-based architecture and modularity offer a cost-effective solution for underwater surveillance and the protection of large areas.

**Performance Analysis**
Software to calculate the probability of detection related to range, and the best depth to deploy the sonar.

**Deployment**
Three ways of deployment: Davit Crane, Over-the-side on ships and Seabed.

**Other features**
Emission of CW & FM pulses. Adjustable levels. Heading and attitude sensors integrated. Recording and display capabilities. Fully integrated BITE.

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**A high-performance solution for all scenarios**

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DDS-03

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