

DDS-03



Diver Detection Sonar

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.

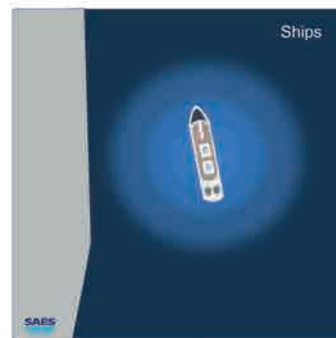
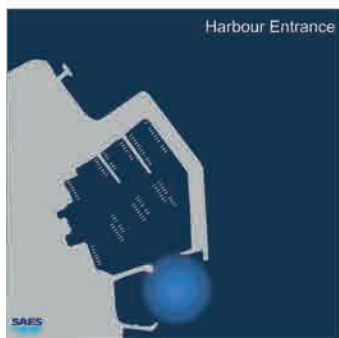
Deployment

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.



A high-performance solution for all scenarios



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