

# 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.

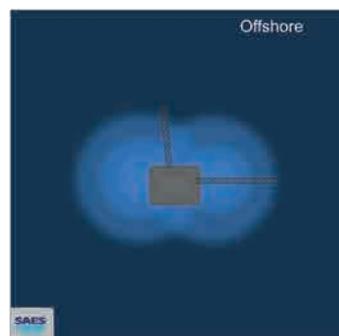
### Deployment

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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