

CERBERUS

Diver Detection Sonar
Maritime Security



Cerberus Portable Diver Detection Sonar



The Cerberus Diver Detection Sonar (DDS) is a class leading product in the growing ATLAS ELEKTRONIK UK portfolio of security products. Designed to meet the demands of both ship-borne and fixed installations, its lightweight and compact construction provides reliable protection in a highly portable, flexible and affordable package.

Cerberus Advantage

World Class Performance

Proven, class leading diver detection performance with qualification for military use

Detection Performance

In marginal conditions and against challenging targets, Cerberus provides the edge

Detection Performance

Cerberus provides performance and reliable protection at an affordable price

Lightweight

The sonar head, cable and PSPU are all highly portable and easy to handle and deploy

Long range

Up to 1000 metres detection provides the User with the maximum time to respond

Reduced Operator Workload

The automatic detection, classification and tracking provides reliable alerting of multiple underwater targets with minimal false alarms

... a sound decision

Cerberus

Portable Diver Detection Sonar

Specification

Performance

- Detection open circuit diver: 900m+
- Tracking open circuit diver: 850m+
- Detection of closed circuit diver: 700m+
- Tracking closed circuit diver: 675m+
- Contact tracking: Up to 2000 per ping
- Displayed track threads: up to 50
- Automated threat alerts: Audible and visual alarm

Coverage

- System Coverage: Selectable up to 360°
- Range resolution: 25mm
- Azimuth bearing accuracy: Better than 1°
- Detection range: up to 1000m

Operational Environment

- Frequency range: 70 to 130 kHz selectable
- Operating temperature range: -2° to 35°
- Storage temperature range: -20 to 65°
- Minimum operating depth: 2m
- Maximum operating depth: 50m
- Deployment options: Seabed/Ship/Pier/Jetty
- Suitable for long term immersion
- Environmentally qualified to military standards



Operational Benefits

Performance

- Class leading performance
- Automatic detection and tracking
- Robust classification
- High source level
- Wide sonar bandwidth
- High range and bearing accuracy
- Full 360° sonar coverage

Supportability

- Intuitive
- Simple to use and maintain
- Minimal training requirement
- Full ILS support

Physical characteristics

- Lightweight
- Military Specification
- Portable

Cost

- Affordable
- Modular
- Repairable
- Maintainable

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