

TKMS

Your Maritime Powerhouse

CERBERUS

Portable Diver Detection Sonar

The Cerberus Diver Detection Sonar (DDS) is a class leading product in the growing TKMS ATLAS 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	Cerberus provides performance and reliable protection at an affordable price
Long Range	Up to 1000 metres detection provides the User with the maximum time to respond
Detection Performance	In marginal conditions and against challenging targets, Cerberus provides the edge
Lightweight	The sonar head, cable and PSPU are all highly portable and easy to handle and deploy
Reduced Operator Workload	The automatic detection, classification and tracking provides reliable alerting of multiple underwater targets with minimal false alarms

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Portable Diver Detection Sonar

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

Physical Characteristics

- ◆ Lightweight
- ◆ Military specification
- ◆ Portable

Supportability

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

Cost

- ◆ Affordable
- ◆ Modular
- ◆ Repairable
- ◆ Maintainable



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

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