



NORBIT

SafePoint™

SAFEPOINT LONG RANGE OBSTACLE AVOIDANCE SONAR

Underwater Sensing Technology for Defense and Security

A powerful surveillance tool effective in providing safe navigation underwater.

SafePoint is designed to detect obstacles in the toughest environments, while remaining an easy to use system for professionals as well as non-sonar operators.

The sonar head offers an avoidance range of up to 1600m, and is particularly suitable for on-ship installations with technologies such as own-doppler nullification and environmentally friendly features such as the possibility to mitigate for marine mammals.



Features

- ✓ Automatic Alarm Generation
- ✓ Long Range
- ✓ 7 days 24 Hours Operation
- ✓ Ease to Use Interface
- ✓ Marine Mammal Mitigation
- ✓ Long Pulse Length
- ✓ Unattended Operation
- ✓ Easy Maintenance
- ✓ FM/CW Transmission, Doppler Mapping

Applications

- ✓ Commercial Ships
- ✓ Mega Yachts
- ✓ Cruise Ships
- ✓ Unmanned Vehicles
- ✓ Small Object Detection

Options

- ✓ Hull/Bow Mounted or Over the Site Mounting
- ✓ Interfacing 3rd Party Systems and Command and Control Software
- ✓ NORTrace Sonar Performance Prediction Tool
- ✓ Integration to NORBIT SeaCOP

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TECHNICAL SPECIFICATION

HORIZONTAL COVERAGE	FIELD OF VIEW: UP TO 360°
VERTICAL COVERAGE	12°
DEPLOYMENT DEPTH	5 TO 30m (SURVIVAL DEPTH 50m)
FREQUENCY	70kHz
SOURCE LEVEL	206 dB re1μPa@1m
PULSE LENGTH	UP TO 128ms
DETECTION RANGE (IDEAL CONDITIONS)	LARGE UNDERWATER OBJECTS, RANGE UP TO 1600m
WEIGHT	<50kg (SONAR HEAD) <10kg (TOPSIDE UNIT)
INPUT VOLTAGE	90 – 240 VAC
OPERATING TEMPERATURE	SONAR HEAD -4°C TO +40°C TOPSIDE UNIT -20°C TO +45°C (COOLING OPTIONS AVAILABLE FOR TROPICAL AREAS)

