NORBIT
- explore more -

WIDEBAND MULTIBEAM SONAR

Compact Forward Looking - Long Range Wide coverage

The WBMS-series are ultra compact sonars designed specifically for use on moving platforms. NORBIT's wideband multibeam technology allows long range real-time image updates, while simultaneously achieving high range resolution allowing you to explore more.

The WBMS-series are based on a flexible sonar platform that utilises the latest in analogue and digital signal processing. With broad R&D expertise, NORBIT has developed, from the ground-up, exciting new technology that allows existing and new applications to benefit from the advantages offered by a compact wideband curved-array multibeam sonar.



Features

- ✓ Long Range
- ✓ High Update Rate
- ✓ High Angular Resolution
- ✓ High Range Resolution
- ✓ Ethernet Interface
- ✓ Ultra Compact Single Unit Solution
- ✓ Standard Product Delivery Incl. Shipping Case and Sonar Interface Unit

Applications

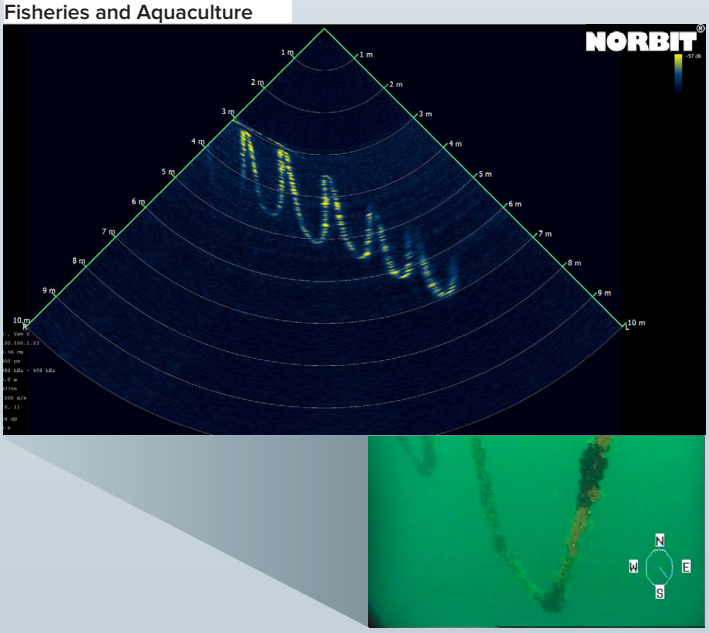
- ✓ Inspection (ROV, AUV and Other Moving Platforms)
- ✓ Obstacle Avoidance
- ✓ Search And Recovery
- ✓ Automatic Leak Detection
- ✓ Marine Construction
- ✓ Fisheries
- ✓ Sciences

Options

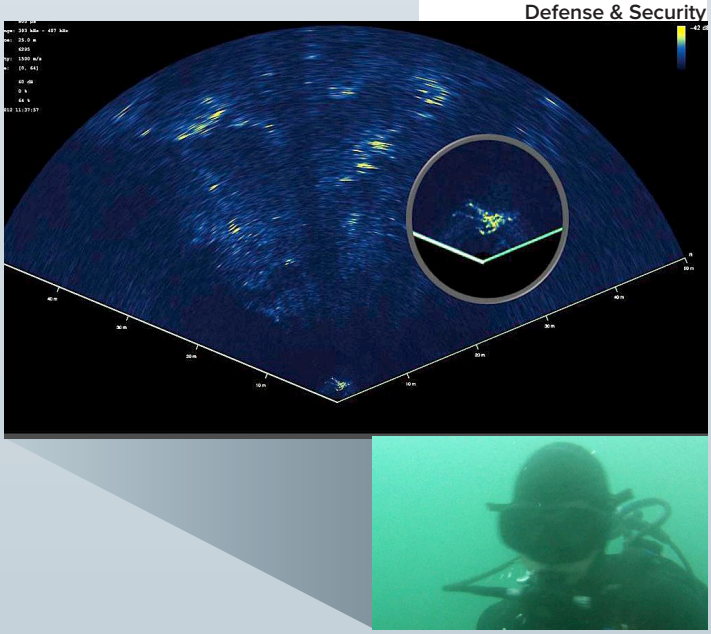
- ✓ VDSL Data-link
- ✓ Weather Rated Command /Control Laptop
- ✓ AUV, ROV Cabling
- ✓ Custom Cable Length Options
- ✓ ROV Version

NORBIT Compact Multibeam Echo Sounder

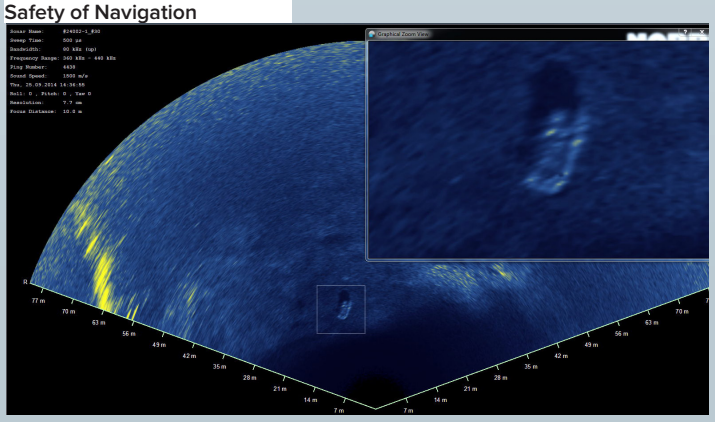
Fisheries and Aquaculture



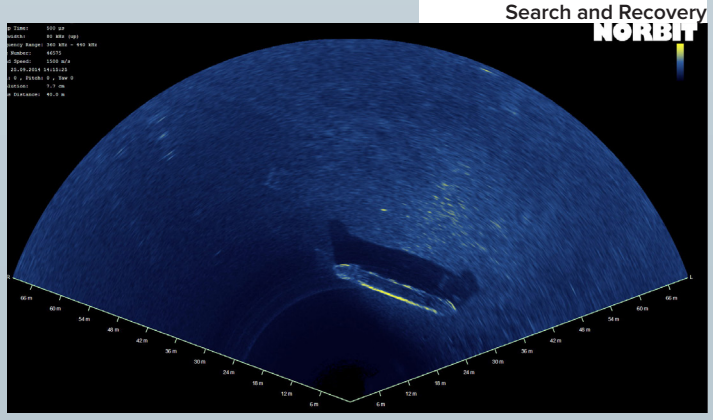
Defense & Security



Safety of Navigation

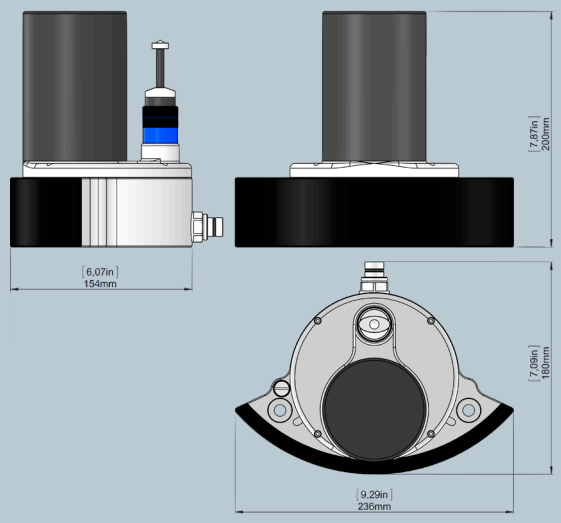


Search and Recovery



TECHNICAL SPECIFICATION

HORIZONTAL COVERAGE	7° to 180° (TYPICAL 150°)
VERTICAL COVERAGE	3.5°
ANGLE RESOLUTION	1.8°
OPERATING FREQUENCY	200kHz +/- 20kHz
RANGE RESOLUTION	< 20mm
DEPTH RANGE	> 250m @ 250kHz
UPDATE RATE	60Hz
DEPTH RATING	300m
WEIGHT - DRY	<5 kg (air)
CABLE LENGTH	STD. 8m, OPT.: 2m, 25m, 50m, PIGTAIL, 600m WITH VDSL
VOLTAGE	10-28VDC OR 100-240VAC (ROV DIRECT: 24-29VDC)
POWER CONSUMPTION	40W
INTERFACES	100Mb/s ETHERNET 16Mb/s OPTIONAL VDSL
ENVIRONMENTAL	TOPSIDE: IP67: DUST TIGHT, PROTECTED AGAINST THE EFFECT OF IMMERSION UP TO 1m, NO TOP SIDE NEEDED FOR ROV/AUV
OPERATING TEMP.	-4°C TO +40°C
STORAGE TEMP.	-20°C TO +60°C



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