

## WIDEBAND MULTIBEAM SONAR

## For Long Range High Resolution Bathymetry

Powerful, ultra compact and high-resolution multibeam sonar from NORBIT.

The WBMS series is the most compact sonars designed for use on all platforms. With low power consumption, the system is suitable to operate from battery. NORBIT's wideband multibeam technology facilitates long range real-time data collection and at the same time achieves high resolution data.

The WBMS sonars are based on a state of the art analogue and digital platform featuring powerful signal processing capabilities, offering roll stabilised bathymetry and several imagery and backscatter output. 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

- ✓ Sub-centimeter Range Resolution
- √ FM & CW Processing
- ✓ 80kHz Bandwidth
- ✓ Flexible Power Source (10-28 VDC, 100-240 VAC)
- √ Simple Ethernet Interface
- ✓ Roll-stabilisation
- ✓ Backscatter outputs (Intensity, Sidescan, Sidescan Snippets, Snippets, Water Column)
- ✓ Multidetect
- √ Integrated Sound Speed Probe
- ✓ Exceeds IHO Special Order, CHS Exclusive Order & USACE New Work

# **Applications**

- √ 0.2 to 600m Bathymetry
- √ Pipeline Surveys
- ✓ River, Estuary, Channel and Pond Surveys
- √ Harbor and Coastline Surveys
- ✓ USV, UUV, AUV & ROV Surveys
- ✓ Integrated Inertial Navigation Solution

## **Options**

- 900m, 4500m and 6000mDepth Rating
- √ Motion Sensor
- ✓ Turn-Key Survey Platform
- √ AUV Version
- √ VDSL Data Link
- √ Pole and Hull Mount Options
- ✓ Narrow Beam Along Track 1.8°
- ✓ Integrated options: iWBMS, iWBMSe & iWBMSh
- √ 1024 HDS
- ✓ Can be Delivered with all Major Software Packages e.g. HYPACK, Qinsy, EIVA, CARIS and Others

## NORBIT Wideband Multibeam Sonar

### For High Resolution Bathymetry



