

WIDEBAND MULTIBEAM SONAR

For 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 types of 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
- ✓ Simple Ethernet Interface
- ✓ Roll-stabilisation
- ✓ Backscatter outputs (Intensity, Sidescan, Snippet Sidescan, Snippets, Water Column)
- ✓ Multidetect
- ✓ Integrated Sound Speed Probe
- ✓ Exceeds IHO *Special Order*, CHS *Exclusive Order* & USACE *New Work*

Applications

- ✓ Shallow Water Bathymetry
- ✓ Pipeline Surveys
- ✓ River, Estuary, Channel and Pond Surveys
- ✓ Harbor and Coastline Surveys
- ✓ USV, UUV, AUV & ROV Surveys

Options

- ✓ 900m, 4500m, 6000m Depth Rating
- ✓ Mounting Bracket
- ✓ Motion Sensor
- ✓ Data Acquisition Software
- ✓ Turn-Key Survey Platform
- ✓ 200kHz FLS version
- ✓ 200kHz Bathy Version
- ✓ AUV Version
- ✓ VDSL Data Link
- ✓ Permanent Hull Mount and Pole Mount Options
- ✓ 1024 HDS
- ✓ Narrow Beam Along Track 0.9°

