

NORBIT - iWBMS Ekinox, Long Range Turnkey Multibeam Sonar System with Narrow Along Track Resolution

High-resolution curved-array bathymetric mapping system from NORBIT.

This all-in-one tightly integrated broadband multibeam turnkey solution offers high resolution bathymetry over a wide swath. The high-end sonar with globally leading GNSS/Inertial Navigation System (SBG Ekinox) embedded into the unit ensures fast and reliable mobilization and highest quality sounding for most conditions.

The iWBMS is an ideal choice for waterway bathymetric surveys; it may be mobilised on any vessel of opportunity and offers streamlined operability and good performance to match budget and project requirements. Additionally, the kit provides the industry's highest resolution multibeam side-scan and snippets for wide swath shallow water applications. 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

- Multibeam Sonar with Integrated Inertial Navigation System & Integrated NTRIP Client
- ✓ 80kHz Bandwidth
- √ Roll-stabilisation
- Backscatter outputs (Intensity, Sidescan, Sidescan Snippets, Snippets, Water Column)
- ✓ Integrated NTRIP Client
- √ Simple Ethernet Interface
- √ Integrated Sound Velocity Probe
- √ Hydrodynamic Fairing
- √ FM & CW Processing
- ✓ Exceeds IHO Special Order, CHS Exclusive Order & USACE New Work

Applications

- √ Shallow Water Bathymetry
- √ Pipeline Surveys
- ✓ Pond, River and Estuary Surveys
- √ Harbor and Lake Surveys
- √ USV & UUV Ready
- √ High Resolution Multibeam-Sidescan

Options

- √ Senior Hydrographer for Support and Training
- √ Sound Velocity Profiler
- ✓ Laptop
- √ Turnkey Survey Solutions
- √ Hull and Pole Mount Options
- √ Field Upgradeable IMU
- ✓ Acquisition, Navigation and Post Processing Software
- ✓ Can Be Delivered with all Major Software Packages e.g.
 Qinertia, HYPACK, Qinsy, EIVA, CARIS, BeamworX and others

NORBIT Wideband Multibeam Sonar

For High Resolution Bathymetry



