

# NORBIT - iWBMSh HIGH-END TURNKEY MULTIBEAM SONAR SYSTEM

For High Resolution Bathymetric Survey In All Conditions

Go-anywhere, go-anytime ultra-high resolution curved-array bathymetric mapping solution featuring industry leading GNSS/INS positioning system from NORBIT.

This most compact, highest resolution, tightly integrated, broadband multibeam sonar solution offering a curved array and GNSS/INS that is suited for the most demanding environments (Applanix OceanMaster). The iWBMSh is ready for rapid mobilisation and delivers highest XYZ performance for the price.

The iWBMSh is fully integrated with the highest performing sensors to work in the most challenging environments (under bridges or in rough sea conditions). Small form factor, low power draw and tight integration allow installation on any survey platform (permanent hull mount or pole mount). Hands-free system tuning ensures quality data on the first survey. 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. Supported by DCT (Data collection Tool) for data acquisition.



#### **Features**

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

  Exclusive Order & USACE New Work

# **Applications**

- √ Coastal Zone and Offshore Bathymetry
- √ Pipeline Surveys
- ✓ Pond, River and Estuary Surveys
- √ Harbor and Lake Surveys
- √ USV & UUV Ready

### **Options**

- ✓ Senior Hydrographer for Support and Training
- √ Sound Velocity Profiler
- ✓ Laptop
- ✓ Data Collection Tool (DCT)
- ✓ Turnkey Survey Solutions
- ✓ Permanent Hull Mount Option
- ✓ Pole Mount and Travel Option
- ✓ Narrow Beam Option
- √ Backscattering Strenght Output
- ✓ Acquisition, Navigation and Post Processing Software
- ✓ Can be Delivered with Software Packages e.g. DCT, HYPACK, Qinsy, EIVA, CARIS and Others

### NORBIT High-End Turnkey Multibeam Sonar System

#### For High Resolution Bathymetric Survey In All Conditions



