Multibeam Echosounder Specifications

We apply our technical expertise and experience as surveyors to serve you: Our portfolio is elegantly simple while technologically advanced and user-friendly. Beamwidth and depth range are the 2 main characteristics that differentiate each of those MultiBeam EchoSounders (MBES). All options can be implemented on all products, except for the option to operate at 90kHz/100kHz that is exclusive to the Sonic 2026 (at the expense of the UHR option). This provides high flexibility to end-users to upgrade their equipment remotely. These options go beyond just opting for a longer cable; they all bring extra capabilities and functionalities, allowing even the entry level sonar to benefit from advanced operating modes. Additionally, the firmware of all 4 MBES can be upgraded remotely.

Standard Features for all R2Sonic MBES







User-friendly, simple and easy to learn controller interface

2 SON

OUR VISION IS SOUND"

Clean and small data files which require minimum data processing time

- Extra Light & Compact!
- Ultra High Density (UHD): 1024 soundings per ping
- Selectable operating frequencies 'on-the-fly' in steps of 1Hz
- · Ability to rotate the swath sector 'on-the-fly'
- Free firmware updates can be done remotely by end users
- Low power consumption for the performance delivered
- Light & compact
- Training delivered by experts

- Options upgradable remotely
- Embedded processor / controller in the sonar head that enables fast and powerful computation at low power (no separate topside processor)
- 3-year warranty
- All R2Sonic MBES exceed IHO-S44 Special Order, when installed following the instructions from the Manual and used with the I2NS and the Sound Velocity Sensor offered by R2Sonic

Only R2Sonic does it...

- Multispectral mode: survey with up to 5 frequencies in 1 pass and with 1 MBES. Saves Time & Money!
- Increased true sounding density with UHD -> It Provides Accurate and Truthful Resolution*
- Smallest Beamwidth Available! Down to 0.3° x 0.6°
- Clean and small data files which reduces processing time and Saves Time & Money!
- Ability to upgrade options remotely
- Free firmware updates
- Optional 6-year warranty, which minimizes risk on investment
- 24/7 technical support via email and phone wherever you are in the world
- Express and high quality repairs, performed by the team that engineered the systems

Options

- Ultra High Resolution (UHR): beamwidth down to 0.3° x 0.6°
- Multimode
 - o Pipeline mode: 2 frequencies, requiring UHR (700kHz)
 - o Multispectral mode: ability to survey with up to 5 different frequencies in one pass and with one system
- TruePix[™]: provides highly compact water column imagery and backscatter

Easy to Maneuver

- Raw water column data output
- Robo™: automated operation

Quick Mobilization

• On-site training (theory class & hands-on demo)

- 6-year warranty
- 4000m and 6000m immersion depth rating
- Mounting hardware & assemblies, including Dual Head for Sonic 2020
- Switchable Forward Looking Sonar Imagery
- I2NS™ (Integrated Inertial Navigation System): 3 types available that provide different accuracy for roll / pitch and heading Please consult specification sheet for more information on the I2NS™
- Software available: HYPACK®, QINSy™, SonarWiz 7, Fledermaus GeoCoder





Sonic Series store easily in Peli™ Case, for increased mobility

US Patent 10,132,924

Easy to Pack

*Please consult the "Making Concepts Simple" booklet for clarification on technical terms / concepts.

Easy to Check-In

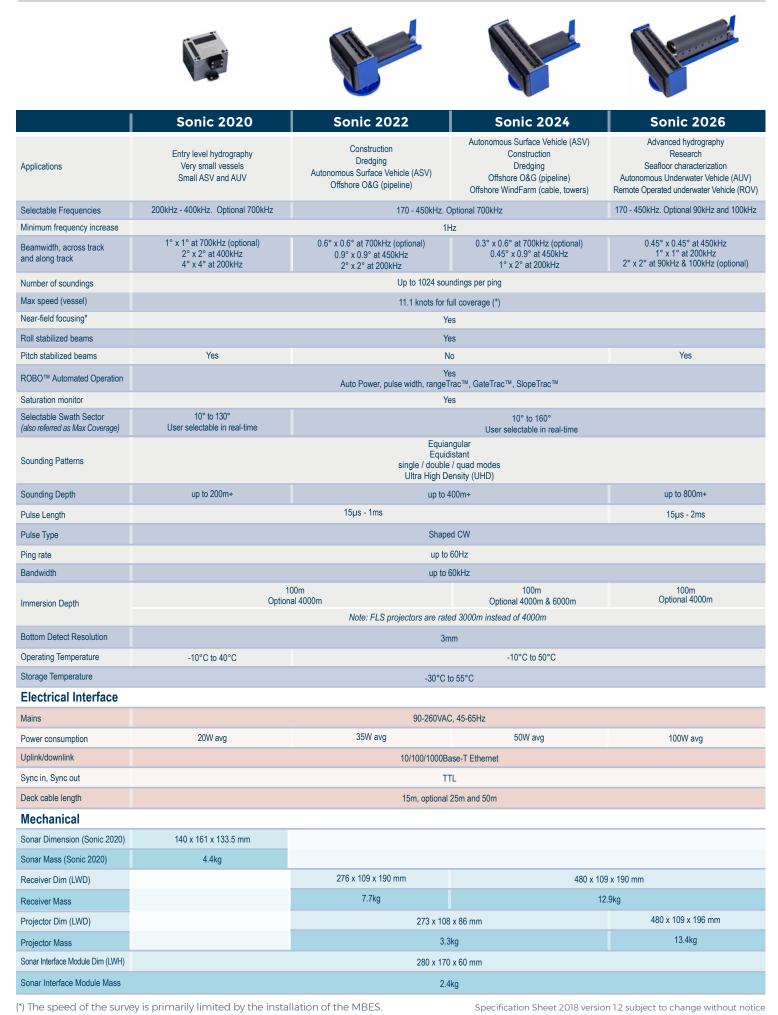
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- - - Antifouling coating protection

 - Sound Velocity Sensors available

Technical Specifications

Multibeam Echosounders



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