

# HD-MAX II

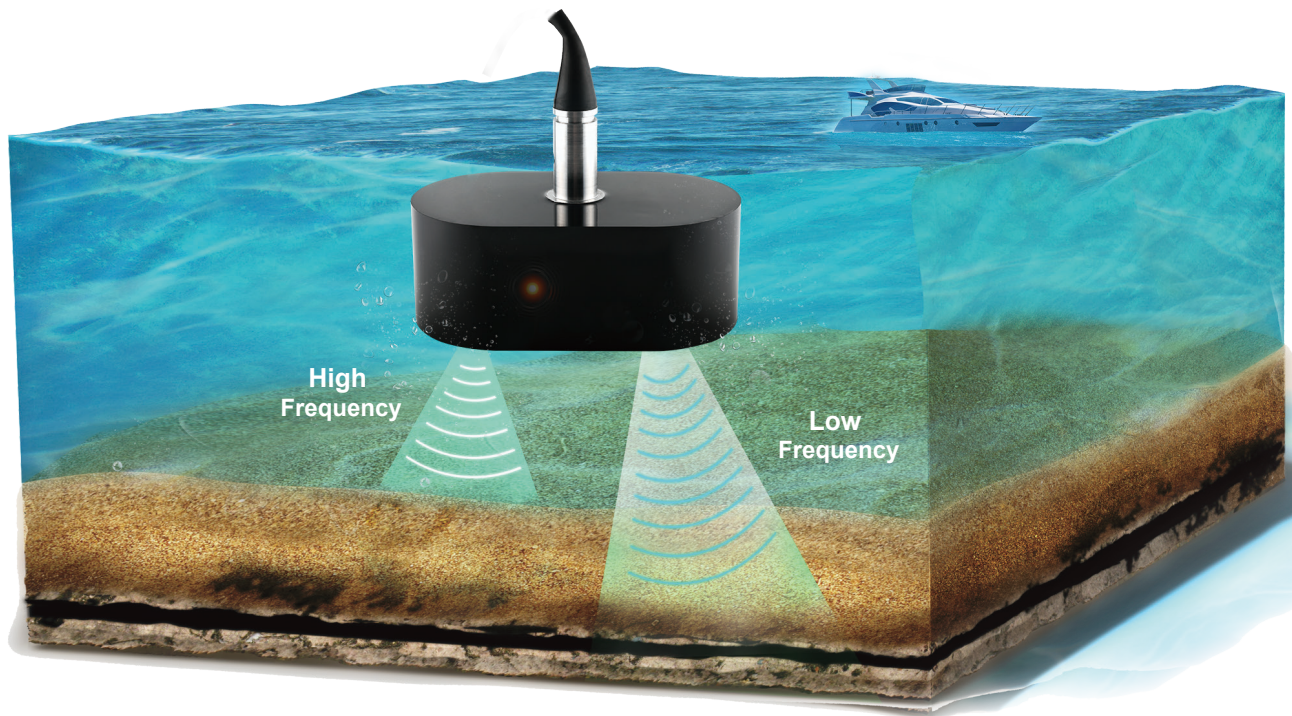
Dual-Frequency Echo Sounder



# HD-MAX II

## Dual-Frequency Echo Sounder

HD-MAX II dual-frequency echo sounder redefines underwater surveying. Its enhanced host unit is water-resistant, portable, and offers versatile interfaces. The integrated temperature sensor in the transducer enables precise sound velocity calibration, and the fully automated algorithm tackles challenging terrains. Ideal for a wide range of underwater environments, including dredging, siltation, high sediment areas, and deep waters, HD-MAX II is the unrivaled choice for hydrographic professionals.



# FEATURES



## Unmatched Accuracy & Efficiency

Dual-frequency ensures high-precision measurements. Real-time sound velocity calibration using integrated temperature sensors and a 50Hz ping rate deliver fast, reliable data capture. An adaptive depth algorithm further optimizes performance in diverse terrains.



## Seamless User Experience

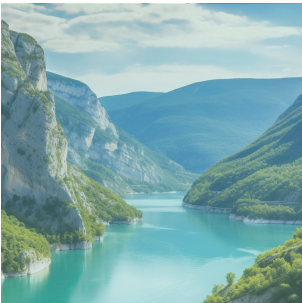
Integrated software streamlines your workflow. A bright 15" display provides a clear view of data, while intuitive buttons offer easy control. 128GB+1TB storage with Windows 10 ensures efficient data processing.



## Built for Tough Conditions

The IP66-rated housing protects against harsh environments. Its lightweight, portable design facilitates easy transport, and the sturdy build ensures long-lasting durability. Versatile connectivity options include PPS, Trigger support, and multi-format data output for effortless data sharing.

# APPLICATIONS



Submarine Topography  
Surveying



Dredging and Sediment  
Removal



High Turbidity  
Measurements



Deep-water Depth  
Measurement

# TECHNICAL SPECIFICATIONS

## Echo Sounder

<b>Dimension</b>	441mm*105mm*324mm	
<b>Weight</b>	8.1kg	
<b>Housing Material</b>	Magnesium alloy	
<b>IP Rating</b>	IP66	
<b>Ping Rate</b>	50Hz	
<b>Screen</b>	15 inches; Resolution: 1280 x 1024@60Hz	
<b>CPU</b>	2.0GHz, Quad-core	
<b>RAM</b>	16GB	
<b>Storage</b>	128GB + 1TB SSD	
<b>Input Power</b>	10-30VDC, 110-240VAC	
<b>Power Consumption</b>	50W	
<b>Operating Temperature</b>	-5°C to +55°C	
<b>Storage Temperature</b>	-20°C to +60°C	
<b>Interfaces</b>	PPS*1, Trigger*1, RJ45*1, RS232*3, USB*3, HDMI*1, Transducer*1, Power*1	
<b>Raw Data Output Format</b>	Standard NMEA 0183, DESO 25, ODOM, Knudsen, Bathy, Echotrac	

## Transducer

<b>Transducer Type</b>	High Channel	Low Channel
<b>Operation Frequency</b>	100kHz ~ 1MHz	10kHz ~ 50kHz
<b>Depth Range</b>	0.15 ~ 300m @200kHz	1~ 2000m @24kHz
<b>Accuracy</b>	±0.01m ± 0.1% of depth @200kHz	±0.1m ± 0.1% of depth @24kHz
<b>Resolution</b>	1cm@200kHz	10cm@24kHz
<b>Temperature Sensor</b>	-55°C to +125°C; Resolution 0.5°C	



\*All parameters listed are theoretical or based on laboratory test.

\*Specifications and accessories are subject to change. We reserve the right to the final interpretation.



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