

MB2 Multibeam Echosounder for Fast Mobilisation on Smaller Vessels



Teledyne Odom Hydrographic, USA, has announced the launch of the MB2, the first product since the MB1 introduction in 2012. The MB2 multibeam echosounder is developed for fast mobilisation on smaller vessels and is optimised for shallow-water survey companies, port and harbour authorities, dredging companies and other users looking for an easy-to-use, quick-to-deploy, high-resolution system.

As an option, MB2 can be supplied with an integrated GNSS-aided INS powered by Applanix' POS MV WaveMaster engine, as well as an integrated real-time SVP sensor to simplify installation and calibration, making the MB2 perfect for use on vessels of opportunity, small survey launches and ASVs.

MB2 features a dedicated cylindrical transmit array and broad range of sounding frequencies from 200 – 460kHz improving on the performance of the MB1 by offering a wider coverage and narrower acoustic beam. Using both amplitude and phase bottom detection, the MB2 is capable of sounding a swath of up to 140° in up to 110m of water depth.

Synchronisation Better than 0.1ms

With 24 bit raw data, both water column and seabed information can be collected within the controller software. The Real Time Appliance (RTA) synchronises all of the sensors with accuracy better than 0.1ms.

According to Stephen F. Apsey, general manager for Teledyne Odom Hydrographic, the MB2 is the outcome of a dedicated product development effort over the last three years, building on customer feedback and experiences gathered in the market for ultra-compact echosounders for fast mobilisation. The Teledyne Odom Hydrographic product range of MB1 and MB2 will fit a broader span of both budget and performance expectations.

<https://www.hydro-international.com/content/news/mb2-multibeam-echosounder-for-fast-mobilisation-on-smaller-vessels>
