Simrad Yachting announces 2nd generation Broadband Sounder™ Module

Simrad Yachting, a leader in the design and manufacture of world-class marine navigation, autopilot, radar, communications and fishfinding systems, announced today its next-generation sonar system, the Simrad BSM-2 Broadband Sounder™ module. Further developing the ground-breaking BSM-1 Sounder technology, the Simrad BSM-2 provides enhanced Digital Signal Processing (DSP), similar to the revolutionary BR24 solid-state radar, and is the first sonar to incorporate Frequency Sweeping Pulse Compression technology—also known as “CHIRP”—in a recreational application; producing higher resolution, deeper depths, and less noise. The new sonar module delivers as much as five times greater target resolution than comparable offshore performance echo sounders on the market. Designed with serious sport-fishing anglers and dedicated commercial fisherman in mind, the Simrad BSM-2 offers the most detailed mid-water definition and penetrates the deepest waters on the planet—digital readings are possible for depths greater than 10,000 feet (3,000 meters) for a powerful performance advantage in any situation.

The BSM-2, next-generation Simrad Broadband Sounder module, coupled with the new Airmar® Broadband transducer lineup, provides anglers digitally purified, crystal-clear images of individual fish markings and clear separation of fish from other targets, structure, thermoclines and the bottom—in both shallow and ultra-deep water. Solving the issue of high-performance, high-powered sonar producing noise and interference, the BSM-2’s CHIRP function uses longer pulses resulting in improved object discrimination at greater depths for remarkable elimination of surface and turbulent water clutter as well as interference within the water column, resulting in an easier-to-interpret image. The enhanced Simrad CHIRP technology also outperforms traditional 3kW sounders, returning highly detailed images of drop-offs, deep-canyon bottoms, other structure and fish while maintaining bottom lock even at high speeds.

“The Simrad BSM-2 eliminates interference by effectively whispering in the water, producing outstanding sonar image clarity,” said Louis Chemi, chief operating officer, Navico Americas. “Simrad continues to excel in combining the benefits of digital processing techniques and alternative technologies to delivery never-before-seen, revolutionary performance to recreational boaters. The BSM-2 module is the result of our continued research and development efforts to offer anglers the most clear and crisp, detailed target definition—now even in deep water.”
The Simrad BSM-2 features dual transceivers, two depth transducer ports and supports independent speed and dual temperature sensors. The BSM-2’s low-frequency transceiver operates at 25-45 kHz and 40-60 kHz; the high-frequency transceiver supports 40-60 kHz, and 130-210 kHz. The new sonar module is compatible with a wide range of Airmar transducers, including Broadband transducers, BSM-I narrowband, and Simrad Combi-C models with frequencies of 28/38/50/200KHz.

Housed in a professional, die-cast aluminum waterproof black box, the BSM-2 is easy-to-install, mounts anywhere and is plug-and-play compatible with the full-featured Simrad NSE and NSO multifunction navigation systems via high-speed Ethernet connection. The compact module is 11.37-inches long x 13.38-inches wide x 3.94-inches high and weighs 10.6 pounds. Compatible with 12 or 24 vDC power systems, the module is water-resistant to the IPx6 standard, and is protected by a two-year warranty.

Available in March 2011, the Simrad BSM-2 Broadband Sounder module can be purchased from authorized Simrad Yachting dealers and distributors throughout the United States and Canada.