

**SIMRAD**<sup>®</sup>

## S2009 Fish Finder

The Simrad S2009 Fish Finder combines a single-channel Broadband Sounder™ module with CHIRP technology, 9-inch portrait display for maximum vertical detail, and intuitive keypad-driven operation. Robust yet compact with both bracket and flush-mount installation options, the S2009 was designed to meet the need for a dedicated fish finder display aboard coastal and offshore fishing vessels.

### Integrated Single-Channel Broadband Sounder™ Module

The S2009 includes an integrated single-channel Broadband Sounder™ module with plug-and-play transducer port, compatible with Simrad and Airmar transducers equipped with blue 7-pin connectors. Adapters are available to allow easy and cost-effective retrofit of existing Simrad, Airmar, and other third-party transducers.

### CHIRP Technology

The S2009 includes CHIRP technology, which utilizes frequency-swept sonar pulses to deliver higher resolution, improved target separation, and greater image clarity than traditional sonar at all depth ranges. Simrad technology makes CHIRP available not only on special-purpose CHIRP transducers, but also via traditional single-frequency transducers. Vessels with a suitable transducer already installed can add CHIRP technology simply by installing an S2000-series Fish Finder, offering an extremely cost-effective upgrade.

### Vertical Heave Compensation

Heave compensation eliminates the vertical effects of wave action from sonar depth measurements, enhancing the accuracy and consistency of bottom tracking in rough conditions. This feature requires a compatible NMEA 2000®-connected satellite compass such as the Simrad HS60 or HS70 to provide real-time heave data.

Technical specifications overleaf.



### 9-inch Portrait Display

With a compact 9-inch LCD in portrait orientation, the S2009 maximises screen size where limited mounting space is available. Its portrait orientation is well suited to fishing applications, displaying the water column with a high level of vertical detail.

### White Line, White Marker and Colour Erase

The S2009 Fish Finder offers a range of features to quickly and easily adjust the on-screen image to suit the task at hand.

- White Line clearly separates the water column from the bottom with a high-contrast white line, for enhanced bottom visibility.
- White Marker allows any user-selected colour from the fish finder image to be replaced with high-contrast white, highlighting specific sonar echoes corresponding to fish or other targets of interest.
- Colour Erase allows any selected colour to be blended into the background, eliminating unwanted noise or unimportant features from the display.



## Keypad Operation with Direct-Access Menu Keys

The S2009 is operated by an integrated keypad and rotary dial. Direct-access menu keys beside the display provide intuitive control of on-screen menu options, for one-button access to key settings and features. With reliable, long-life operation and clear tactile feedback, the S2009's large buttons are suitable for use in rough seas, while travelling at speed, and with wet or gloved hands.

## Rugged Design with Flexible Mounting Options

The S2009 may be flush-mounted, ideal for installation aboard new vessels. Alternatively, the included gimbal bracket is well suited to outside installations or pilothouse refits. With watertight rear connectors, the S2009 is IPX7 water-resistant from all sides, in either flush- or bracket-mount installation.

## Networking & Expansion

The S2009 includes Ethernet connectivity to share sonar data with other Simrad systems including NSO evo2 and NSS evo2 multifunction displays. The S2009 may also be used as a dedicated fish finder display for NSS evo2 systems, receiving sonar data from an NSS evo2 display's built-in Broadband Sounder™ module.

Other devices may be networked via the S2009's NMEA 2000® and NMEA 0183® ports, enabling additional functionality such as waypoint marking and sharing with compatible devices.

## Sonar Log Recording – ciBioBase and Insight Genesis Compatible

The S2009 is capable of recording sonar history to a full-sized SD memory card, which may be easily inserted and removed via a waterproof access hatch on the front panel. Recorded sonar logs may be used with the cloud-based Insight Genesis™ service to create custom fishing charts, or BioBase GIS software to create detailed aquatic bathymetric and vegetation maps for survey and research purposes.

## Main Features:

- Dedicated fish finder with integrated single-channel Broadband Sounder™ module and CHIRP technology
- High depth penetration and ping speed
- Vertical heave compensation
- 9-inch 480x800-pixel portrait LCD
- High-brightness display ideal for outside installation
- See clearly with White Line, White Marker, and Colour Erase features
- Simple operation with 8 direct-access menu keys

- Bracket and flush mounting options (bracket included)
- Full-sized SD card slot for logs and software updates
- Ethernet, NMEA0183 & NMEA2000 connectivity

# Technical Specifications

► OVERVIEW	
Display Size	9-inch portrait
Screen Brightness	1200 cd/m <sup>2</sup>
Networking Capability	1x NMEA0183, 1x NMEA2000, 1x Ethernet
Video Integration	None
Echosounder Max Depths	3,000 m / 10,000 ft (transducer-dependent)
Echosounder Transducers	Standard Broadband and single-channel CHIRP Transducers
Echosounder Frequencies	CHIRP 28-38 kHz, 40-60 kHz, 85-145 kHz, 130-210kHz, Broadband 28kHz, 38kHz, 50kHz, 83kHz, 200kHz
► DISPLAY	
Display Resolution [pixels & pixels]	480 x 800
Display Type	9-inch LED-backlit Colour TFT LCD
► TECHNICAL/ENVIRONMENTAL	
Waterproof Standard/Rating	IPX7
Product Width	224.3 mm / 8.83 in
Product Depth	82.3 mm / 3.24 in
Product Height	260.1 mm/10.24 in
Product Weight	1.95 kg / 4.3 lb
► POWER	
Power Supply (Supply Voltage)	10.8-31.2 V DC
► OTHER	
Languages Built-in: US English, UK English, French, Spanish, Portuguese, Portuguese (Brazil), Italian, Dutch, German, Swedish, Finnish, Norwegian/Danish, Icelandic, Russian, Ukranian, Slovakian, Croatian, Hungarian, Bulgarian, Greek, Polish, Estonian, Czech, Afrikaans, Farsi, Arabic, Urdu (Pakistan), Indian Dialects (Hindi), Sri Lankan, Turkish, Malay, Simplified Chinese, Traditional Chinese, Japanese, Korean, Thai, Vietnamese, Gujarati, Tamil, Indonesian Supported via Language Packs: Farsi, Arabic, Urdu (Pakistan), Indian Dialects (Hindi), Sri Lankan, Turkish, Malay, Simplified Chinese, Traditional Chinese, Japanese, Korean, Thai, Vietnamese, Gujarati, Tamil	
Output Power [kW]	1kW RMS

Please Note: Specifications are subject to change.

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