

# SIMRAD®

## S2016 Fish Finder

The S2016 Fish Finder combines Simrad Broadband Sounder™ and CHIRP technology with a 16-inch widescreen display for an extensive on-screen history, intuitive keypad-driven operation, robust construction and flexible mounting options.



### Integrated Single-Channel Broadband Sounder™ Module

The S2016 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 S2016 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.

### 16-inch Widescreen Display

With a high-definition 16-inch LCD in widescreen format, the S2016 offers a combination of excellent vertical detail and a lengthy on-screen echosounder history. This reduces the operator's need to zoom or scroll, while allowing easy backtracking to promising areas.

### White Line, White Marker and Colour Erase

The S2016 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 S2016 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 S2016'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 S2016 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 S2016 is IPX7 water-resistant from all sides, in either flush- or bracket-mount installation.

## Networking & Expansion

The S2016 includes Ethernet connectivity to share sonar data with other Simrad systems including NSO evo2 and NSS evo2 multifunction displays. The S2016 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 S2016's NMEA 2000® and dual NMEA 0183® ports, enabling additional functionality such as waypoint marking and sharing with compatible devices.

## HDMI Output for Display Mirroring

An HDMI output gives the option of a secondary monitor mirroring the S2016's primary display, allowing fish finder data to be made visible at two separate stations or duplicated on a larger bulkhead-mounted screen. The S2016 is compatible with Simrad MO-series marine monitors, and other standard HDMI-capable displays.

## Sonar Log Recording – ciBioBase and Insight Genesis Compatible

The S2016 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
- 16-inch 1366x768-pixel high-definition widescreen LCD
- HDMI output for mirrored secondary display
- 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	16-inch widescreen
Screen Brightness	400 cd/m <sup>2</sup>
Networking Capability	2x NMEA0183, 1x NMEA2000, 1x Ethernet
Video Integration	1x HDMI output
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]	1366 x 768
Display Type	16-inch LED-backlit Colour TFT LCD
► TECHNICAL/ENVIRONMENTAL	
Waterproof Standard/Rating	IPX7
Product Width	455.5 mm/17.93 in
Product Depth	82.3 mm/3.24 in
Product Height	260.1 mm/10.24 in
Product Weight	4 kg / 8.8 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]	0.5 kW RMS

Please Note: Specifications are subject to change.

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