

SIMRAD®

The Best Just Got Better.



NSS EVO3S

Meet the new NSSevo3S™.

Our smoothest MFD yet, with unprecedented levels of built-in functionality.

Best-ever processing power.

New IMX8 processor delivers faster page changes, smoother transitions and quicker chart rendering for a completely new user experience.

Improved US Charts + Florida Reveal.

New preloaded US Charts include improved, high-resolution inland and coastal coverage, Easy Routing capability and C-MAP Reveal Florida layer.

Enhanced Sonar performance.

Built-in advanced sonar and plug-in connectivity to external sonar modules.

UI improvements.

With a new look and feel, enhanced access to chart orientation, tide monitoring and audio control.

SIMRAD®



Improved Charting experience with the new iMX8 processor.

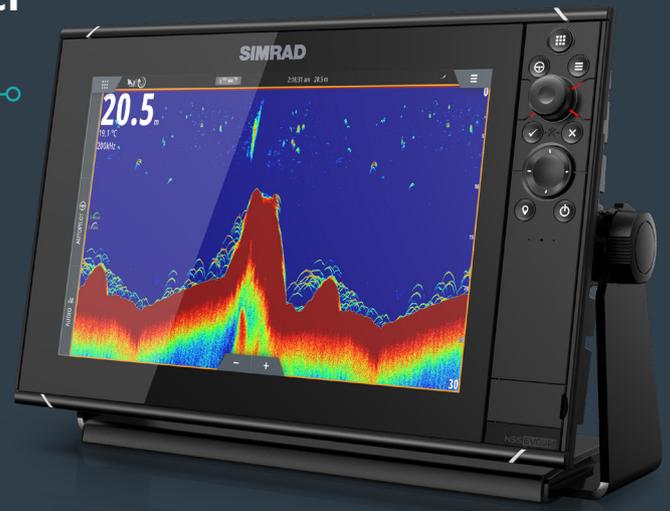
With a 2X faster page loading time, choosing any split screen combination with views in 3D or Navigation perspective has never been easier. NSSevo3S™ features a preloaded US Chart with high-resolution inland and coastal coverage, plus a C-MAP® Reveal layer of the ocean floor in Florida.

In addition to the preloaded C-MAP chart, NSSevo3S is compatible with a wide range of charting providers, including C-MAP, Navionics®, CMOR and Florida Marine Tracks.

Enhanced Sonar with superior on-water performance

1kW CHIRP-enabled sonar provides exceptional bottom-tracking and fish-finding performance. Dual transducer ports offer the convenience of connecting multiple transducers to a single display.

Better-than-ever processing power ensures Active Imaging™ delivers picture-like views of fish-holding structure, and crystal clear views of the bottom ahead using ForwardScan® sonar.



SolarMAX™ IPS displays for high-definition views

Clear views under any lighting condition with SolarMAX™ IPS technology, and ultra-wide viewing angles to keep everything in sight, even when viewed through polarized sunglasses.

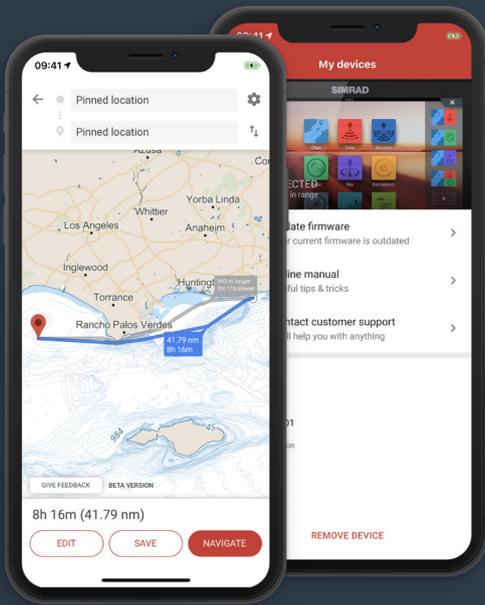
These all-weather screens have been engineered to withstand the heat of the summer sun and are optically bonded to prevent condensation or fogging within the display.



UI improvements

Key changes include:

- A new, dark-themed wallpaper for less light pollution from a dash of multiple screens.
- The Audio side bar can now expand into a full page view.
- The addition of a chart orientation button to switch instantly between North up, Heading up and Course up without having to open the menu.
- The addition of a Tide Graph in the instrument bar to monitor tide changes without having to leave the existing page.



Wireless connectivity for smartphones and tablets

Displays can be mirrored to compatible iOS and Android devices to access charts, radar, sonar, engine data and more. Wireless connectivity also enables on-line software upgrades through any internet hotspot, access to the latest features and accessory support.

The Simrad App can also be downloaded for added benefits – from device registration and manual downloads, to saving waypoints and your favorite fishing spots – accessible both on and off the water.

Radar Options

HALO® Pulse Compression radar systems can be added to negotiate crowded harbors, navigate safely in poor visibility, monitor distant weather squalls and even locate flocks of feeding birds in order to locate fishing spots.



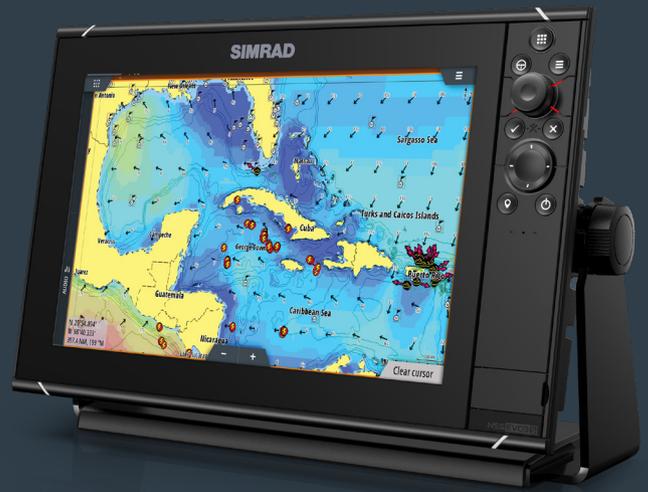
FLIR IP Camera Support

Day and night situational awareness can be improved by adding a FLIR M232 thermal imaging camera.

The M232 features a resolution of 320x240 and offers the ability to pan and tilt the camera to allow for 360 degree viewing while underway. The M232 distributes video over Ethernet allowing for both display and control from a NSSevo3S™.

WM-4 Receiver

Get up-to-date, detailed weather forecasts, weather radar, lightning, storm warnings, sea surface temperature, insight on favorable areas for particular fish species and more, when you complete your boat's system with a WM-4 Receiver and a SiriusXM® Marine Satellite Weather subscription. Add audio to your Marine Weather or Fish Mapping* subscription and get access to more than 140 SiriusXM® radio channels at a discount. *Coming Fall 2020



Fast & Simple Networking and Connectivity

Industry-standard connectivity to create multi-display systems and link to all on-board electronics, engine and fuel monitoring in real-time, control of on-board sound systems and much more.

Includes system expansion with Simrad modules and accessories, advanced fish-finding tools such as deep water S5100, Active Imaging™ 3-in-1 or TotalScan™, increased situational awareness with legendary HALO® Pulse Compression radar, and automated control with a fully integrated Simrad autopilot.



Control Simrad sonar, radar, autopilot, and other accessories.



TripIntel™ trip planning and support for automatic routing.



iMX 8 Integrated processor for real-time monitoring.



Built in high-performance sonar with 1kW CHIRP.



Download the Simrad App and connect with smartphones, tablets and internet hotspots.

GPS

Built-in GPS receiver and wireless connectivity.



Industry-standard connectivity to engines, sound system, and more.

Upgrade to NSSevo3S™

With the new iMX8 Processor, the NSSevo3S is ready to take on even the toughest tasks and get everything done faster than ever before.



2X

Faster Chart Rendering

30%

Faster Boot up Time

2X

Faster Page Transitions

Fast switching between any split screen combinations, smoother transitions for on-screen movements like chart rotation and panning/zooming, and faster viewing of high resolution graphics.

Product Specifications

	NSSevo3S 9	NSSevo3S 12	NSSevo3S 16
Dimensions	287 x 166 x 90 mm (11.30 x 6.55 x 3.50")	352 x 225 x 98 mm (13.84 x 8.87 x 3.82")	437 x 256 x 98 mm (117.19 x 10.08 x 3.82")
	with bracket 311 x 180 x 95 (11.30 x 7.07 x 3.72)	with bracket: 377 x 241 x 120 (14.85 x 9.47 x 4.71)	with bracket: 462 x 264 x 122 (18.19 x 10.39 x 4.80")
Weight	1.41kg/3.11lb	3.10kg/6.83lb	4.65kg/10.25lb
Display size and type	High Visibility SolarMax HD® IPS 9" optically bonded TFT	High Visibility SolarMax HD® IPS 12.1" optically bonded TFT	High Visibility SolarMax HD® IPS 15.6" optically bonded TFT
Display screen brightness	1200 nits	1200 nits	1200 nits
Display resolution	720 x 1280	800 x 1280	1080 x 1920
Fuse rating	5A	5A	7.5A
Power consumption (Max)	21W	28W	53W
Power consumption (Nom)	16W	22W	40W
Ethernet connectivity	1 x 5 pin yellow connector x 100 Mbit	2 x 5 pin yellow connector x 100 Mbit	2 x 5 pin yellow connector x 100 Mbit
HDMI Output	No	Yes	Yes
	ALL		
Mounting options	Bracket (Supplied) or panel mount		
Operating temperature range	-15°C to +55°C (5° F to 131° F)		
Storage temperature range	-20°C to +60°C (4°F to 140°F)		
Water resistance	IPX6 and 7		
Supply voltage	10 - 31.2 V DC		
Display backlight color	White sRGB		
Display viewing angles	80° top/bottom, 80° left/right		
Bluetooth connectivity	Internal		
NMEA2000 connectivity	1 x NMEA 2000 Micro-C port, 1 LEN		
NMEA 0183 connectivity	1 x Transmit, 1 x Receive NMEA 0183, Baud Rates 4800, 9600, 19200, 38400. TX and RX use same baud rate. Optional data cable required (P/N 000-00129-001)		
NMEA 0183 sentences	Input: GGA, GLL, GSA, GSV, VTG, ZDA, RMC, DBT, DPT, MTW, VLW, VHW, HDG, HDT, HDM, MWV, MWD, DSC, DSE, VDM. (Note AIS sentences are not bridged to or from NMEA 2000)		
	Output: GGA, GLL, GSA, GSV, VTG, ZDA, RMC, DBT, DPT, MTW, VLW, VHW, HDG, MWV, MWD, TLL, TTM		
Video connectivity	2 x composite (RCA connectors) video inputs. Optional video/ data cable required (P/N 000-00129-001).		

Product Specifications

WiFi connectivity	Internal WiFi 802.11
Sonar frequencies	40-250kHz 455-800kHz
Sonar max depth	3000'+ (tested with B175L)
Sonar output power	1kW RMS
Compliance	CE, C-Tick, HDMI, EN 60950-1:2006, EN 60945:2002 EN 300 440-2, V1.4.2
GPS	Internal, 10Hz, WASS, MSAS, EGNOS, GLONASS
GPS update rate	10 Hz
GPS channels	34 Channels
GPS correction	WASS, EGNOS, MSAS, GLONASS
GPS position accuracy	Horizontal Accuracy 3 m (9.8 ft)
GPS time to first fix	Cold start 50 sec, Satellite Reacquisition 5 sec
Interface	Full touch screen (multi-touch) and full keypad control, OP50 remote controllers
Charts Included	CMAP US Coastal/Inland Chart with Florida Reveal Layer. Basemap for ROW models
Radar	Broadband Radar, Halo Pulse Compression Radar, HD Pulse Radar
Sonar	Two 9 pin Xsonic Sonar ports. Sonar port 1: Single channel CHIRP, 50/200 khz, HDI. Sonar port 2: Single channel CHIRP, 50/200 khz, TotalScan, LSS HD, ForwardScan. Compatible with: SonarHub, BSM-3, BSM-2, network sonar
Weather	SiriusXM via WM-3 (USA only), GRIB
AIS	Receive AIS data over NMEA 2000 or *NMEA 0183 (has to be wired to all NSS processors)
Auto pilot integration	Full auto pilot control and commissioning
Autopilot steering modes	Auto, Nav., No Drift, Follow up, Non-follow up, Turn patterns, Standby, *Wind, *Wind NAV. (*Boat type set to Sail)
Autopilot manoeuvres turn patterns	U-turn, Spiral-turn, C-turn, Zig-zag, Square-turn, Lazy S-turn, Depth contour tracking
Supported Charts	Insight, Navionics (Gold, NAV+ Platinum+) , C-MAP (MAX N, MAX N+, Reveal) NV Digital (Raster US Charts), and more
Digital switching	BEP C-Zone, Naviop
External storage	2 MicroSD slots, max. 32GB each. Larger if formatted to NTFS
Internal storage	32 GB
Multi-media	via SonicHub2, FusionLink, *SiriusXM, **JL Audio. (*USA only, **AUST. & NZ only)
Waypoints, routes & tracks	6000 waypoints, 500 Routes with 100 max route points, 50 tracks with up to 12,000 track points.
Laanguage Support	Standard Language Pack: English(US), English(UK), Danish, German, Spanish, Finnish, French, Greek, Icelandic, Italian, Dutch, Norwegian, Portuguese, Swedish Other languages supported by Unlock: Japanese, Korean, Thai, Chinese, Bulgarian, Hebrew, Croatian, Hungarian, Lithuanian, Latvian, Polish, Slovak, Turkish, Russian, Ukrainian, Arabic,Farsi

Packaging Specifications

	NSSevo3S Retail SKU's	NSSevo3S Boat Builder SKU's	NSSevo3S Halo20+ Radar KIT
NSSevo3S Display	✓	✓	✓
Sun Cover	✓	✓	✓
Connector caps	✓	✓	✓
Power Cable	✓	✓	✓
Dash gasket and fasteners	✓	✓	✓
Gimbal Bracket, Fasteners	9" & 12"	✗	✓
Documentation	✓	✓	✓
Halo20+ Radar	✗	✗	✓
Halo20+ Radar cable	✗	✗	✓