

SIMRAD®

Simrad NSO EVO3

Build your ultimate navigation system around NSO evo3. A stunning Full HD display lets you see more than ever, while an integrated high-performance processor ensures a swift response to your every command. Connect with GPS, radar, sonar, keypad controllers and other accessories to create your ideal vessel-wide system.



Ultimate Clarity

NSO evo3 delivers the ultimate view with an ultra-bright display, available in 16, 19, or 24-inch widescreen sizes. Wide viewing angles keep the screen in view from anywhere in sight, even if you're wearing polarised sunglasses. See more than ever with Full HD resolution, and the option to combine up to six panels in a split-screen layout.

Intuitive Control

A responsive, multi-touch display places control of your on-board electronics at your fingertips. Intuitively navigate charts, define waypoints, and take control of connected systems such as autopilot, radar, and sonar with a touch. A range of optional keypads add classic controls, perfect for fine adjustments or use in rough conditions.

Swift Response

Every NSO evo3 display features an integrated quad-core processor for ultimately smooth response, from charting to StructureScan® 3D imaging. Enjoy swift access to the information you need, as you need it, whether you're cruising the open ocean or carefully navigating a crowded harbour.

Glass Helm Style

NSO evo3 glass helm systems offer the perfect combination of form and function. Create your own custom helm layouts to suit any activity, and switch seamlessly between those layouts in an instant.

Fully Connected

Built-in wireless connectivity links NSO evo3 to your existing mobile devices for remote viewing and control, and delivers easy online software upgrades via any wireless internet hotspot. Wired Ethernet, NMEA 2000®, and J1939 networking provide almost limitless integration options, from vessel-wide display systems to radar, sonar, engine integration, and much more.

Optional Starter Kits

The NSO evo3 starter kit contains everything you need to begin your glass helm system, including an OP50 Remote Controller. The OP50 provides keypad control of up to six separate displays, perfect for a multi-display helm layout.

FEATURES

- Ultra-bright, Full HD 16, 19, or 24-inch display
- Easy touchscreen control of your entire Simrad system
- Integrated quad-core processor for ultimate performance
- Low-profile glass helm styling
- See more than ever with six-panel split screen option
- Connect with smartphones, tablets, and internet hotspots
- **Starter Kits Only:** Kit includes keypad, GPS antenna, and chart card reader

SPECIFICATIONS

	NSO 16 Evo3	NSO 19 Evo3	NSO 24 Evo3
Product Width	400.14 mm / 15.8 in	478.14 mm / 18.8 in	625.14 mm / 24.6 in
Product Depth	83 mm / 3.3 in	83 mm / 3.3 in	83 mm / 3.3 in
Product Height	260 mm / 10.2 in	305 mm / 12 in	386 mm / 15.2 in
Product Weight	3.91 kg	4.81 kg	7.78 kg
Display size and type	IPS 15.6" optically bonded TFT	AHVA 18.5" optically bonded TFT	MVA 24" optically bonded TFT
Display screen brightness	1200 nits	1200 nits	1200 nits
Display resolution	1920x1080	1920x1080	1920x1080
Fuse rating	TBD A	TBD A	TBD A
Power consumption (Max)	TBD W	TBD W	TBD W
Power consumption (Min)	TBD W	TBD W	TBD W
Power consumption (Nom)	TBD W	TBD W	TBD W
ALL			
Ethernet connectivity	Yes – 3 RJ45 ports		
HDMI Input	Yes		
HDMI Output	Yes		
Mounting options	Panel mount or Extra heavy duty gimbal bracket		
Operating temperature range	-15°C to +55°C (5° F to 131° F)		
Storage temperature range	-40°C to +85°C (-40°F to 185°F)		
Water resistance	IPx6 for the glass to housing bonding only, IPx5 from front only when dash mounted with gasket		
Supply voltage	9.6 – 31.2 V DC		
Display backlight colour	White sRGB		
Display viewing angles	85° top/bottom, 85° left/right		
Bluetooth connectivity	Internal		
NMEA2000 connectivity	1 x NMEA 2000 Micro-C port		
J1939 connectivity	1 x J1939 Micro-C port		
NMEA 0183 connectivity	2 ports NMEA0183 (IEC61162-1) 2 ports IEC61162-2 (NMEA0183-HS)		

NMEA 0183 sentences	TBC
Video connectivity	2 x analogue video BNC inputs
WiFi connectivity	Internal WiFi 802.11
Compliance	TBC
Interface	Full touch screen (multi-touch), OP50 remote controllers
Charts Included	C-Map US Enhanced
Radar	Broadband Radar, Halo Pulse Compression Radar, HD Pulse Radar
Sonar	Compatible with: SonarHub, S5100, BSM-3, BSM-2, network echo sounders
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+) NV Digital (Raster US Charts)
Digital switching	BEP C-Zone, Naviop
External storage	MicroSD slot, max. 32GB each. Larger if formatted to NTFS
Internal storage	TBC
Multi-media	via SonicHub2, FusionLink, *Sirius, **JL Audio. (*USA only, **AUST. & NZ only)
Waypoints, routes & tracks	TBC
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



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*Applies to certified vessels only

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