



Simrad E5024 ECDIS System

The Simrad E5024 ECDIS system is an IMO type-approved navigation system, designed for use aboard SOLAS vessels including large passenger ships, tankers, and cargo ships subject to the ECDIS Carriage Mandate. Ideal for vessels required to retrofit ECDIS to meet amended SOLAS requirements, the modular E5024 ECDIS system offers simple installation in either single-station or dual-station (PLECDIS) configurations.



Main Features

- 24-inch, Full-HD 16:9 widescreen for large, clear charts
- Wireless trackball controller with on-screen keyboard
- Rapid access to critical features with quick access tiles
- Simplified route planning with drag-and-drop manipulation of waypoints
- Radar, AIS & ARPA overlay (Simrad Argus Radar compatible)
- Designed for NAVTOR ENC's including UKHO (for AVCS), Primar, IC-ENC, and NOAA
- Third-party chart support with S-57 and S-63 import
- Choose between S-52 and INT1 chart presentation
- Supports AIO (Admiralty Information Overlay)
- Simple dual-station PLECDIS option



Simrad Performance Module Support with Optional Second Station

The E5024 ECDIS system includes support for an optional secondary display station, delivering complete control of Ethernet-connected Simrad performance modules including radar, conventional echosounders, ForwardScan™ sonar, and StructureScan Imaging™, in addition to third-party accessories such as FLIR cameras, CCTV, engine sensors, and other digital instrumentation.

Any 16-, 19-, or 24-inch Simrad marine monitor may be used for this second station, which offers completely independent operation from the E5024 system's type-approved ECDIS functionality.

Technical specifications overleaf.



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Technical Specifications

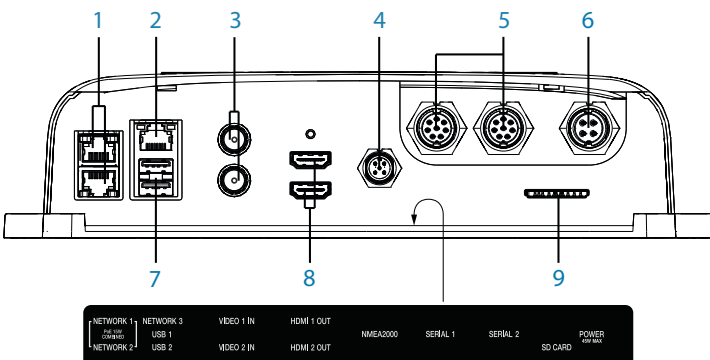
▶ DISPLAY

Display Resolution	1920 x 1080 pixels
Display Type	LED-backlit TFT LCD
Display Brightness	300 cd/m ²
Display Viewable Width	532mm / 20.9"
Display Viewable Height	299mm / 11.8"
Display Size (Diagonal)	610mm (24")

▶ TECHNICAL/ENVIRONMENTAL

Operating Temperature	-15°C to +55°C (5°F to 131°F)
Waterproof rating	IPX2 (Processor) IP66 (Display, flush mounted)
Product Width	281mm / 11" (Processor) 625mm / 24.6" (Display)
Product Height	232mm / 9.1" (Processor) 386mm / 15.2" (Display)
Product Depth	65.5mm / 2.6" (Processor) 74mm / 2.9" (Display)
Product Weight	1kg (Processor) 6.6kg (Display)

Single Processor - 1 Screen



#	Description	ECDIS CPU	NSO evo2 CPU
1	Ethernet Network ports with PoE		2 ports - shared
2	Ethernet Network port		1 port - shared
3	Video Input BNC sockets	n/a	2 ports
4	NMEA 2000 port		1 port - shared
5	NMEA 0183 serial	3	1
6	Power connector		shared
7	USB ports	2	n/a
8	HDMI sockets	1	1
9	SD card slot		1 port - shared

▶ POWER

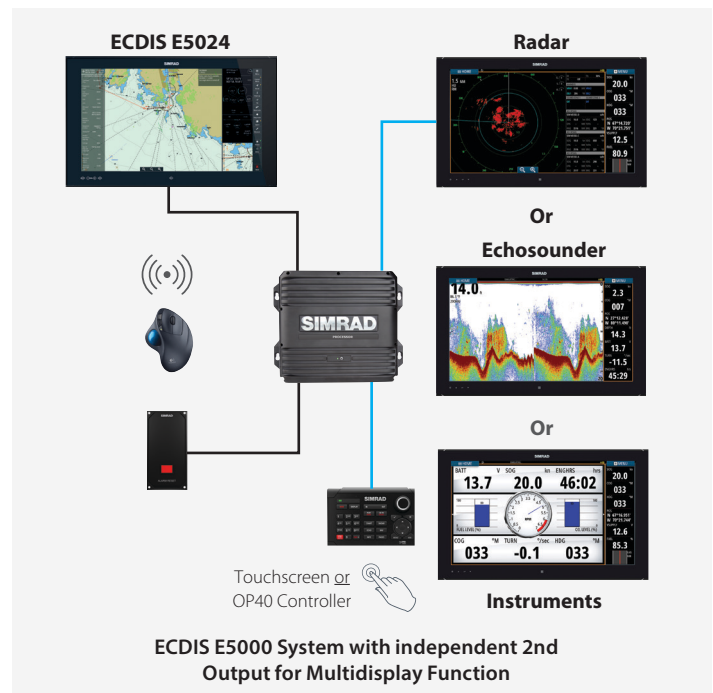
Power Supply	9-31.2V DC
Power Consumption	45W max (Processor) 30W nominal (Display)

▶ CONNECTIVITY

NMEA2000	1 port
NMEA0183 & RS422	2 ports
Video Input	2 ports – composite, NTSC & PAL, BNC socket
HDMI Video Output	2 ports – supports 800x600 (SVGA 4:3), 1024x768 (XGA 4:3), 1280x720 (HD 16:9), 1366x768 (WXGA), 1920x1080 (Full HD 16:9), 1920x1200 (WUXGA 16:10), 1280x800 (16x10), 1280x1024 (SXGA 5:4)
Network	3x Ethernet (2 ports with PoE)
Chart Card Slot	Full-size SD card slot
USB	2 ports

Single Processor - 2 Screens

- ▶ 1 x Type Approved ECDIS +
- ▶ 1 x Radar **OR** 1 x Echosounder **OR** 1 x Instruments



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