

General

Display Size	7in (178mm) Diag.
Display Type	WVGA color TFT LCD
Resolution	800H x 480W
Backlight	Pure White LED
Display Brightness	1200 Nits
Height	6.332in (160.83mm)
Width	8.641in (219.48mm)
Depth	2.507in (63.68mm)
Weight	3.04lb (1.38kg)

Environmental

Operating Temperature	5°F to 131°F (-15°C to 55°C)
Waterproof	IPX7 with card door closed
DOC	Part 15.103 FCC rules & CE RTTE directive 1999/5/EC

Electrical

Current Draw	0.9A @ 13VDC with backlight on full
Operating Voltage	12VDC
Supply Voltage	10.8-17VDC

User Interface

Interface	Single-touch touchscreen and Limited Keypad; ZOOM +/-,WPT,LIGHT/POWER
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Chart Plotter Characteristics

Display Modes	North up, Course up (COG), Heading up (heading with external heading sensor or COG)
Built-in Cartography	Detailed Basemap cartography (AMER models), Navionics basemap (AMER and ROW models)
Add on Cartography	Navico Insight HD, Navionics Platinum+/Platinum/Gold, Fishing HotSpots
Alarms	No GPS fix, Anchor, Low boat speed, XTE, Waypoint radius, Arrival

Sonar Characteristics

Built-in CHIRP	Yes
Built-in Broadband	Yes
Built-in StructureScan	Yes
Sonar Frequency	Mid/High CHIRP (83/200kHz) 455/800 kHz DownScan™, Low/High CHIRP (50/200kHz)

(*Available frequencies determined by connected transducer)

Broadband Power	500W RMS
Sonar DownScan™ Max Depth 455/800 kHz	300ft (91m)
Sonar Broadband Max Depth Low/High (50/200 kHz) transducer	3000ft (762m)
Sonar Broadband Max Depth Mid/High (83/200 kHz) transducer	1000ft (305M)
Sonar Alarms	Fish, Shallow
TrackBack	Yes
Temperature Readings	Yes

Comms/Interface

NMEA0183	1 x RS422 port
Supported baud rates	1200, 2400, 4800 (Default), 9600, 19200, 38400, 57600, 115200
NMEA 2000	1 Micro-C
Data Card Slot	1 micro SD card up to 32GB

GPS/Navigation

GPS Type	Internal high-sensitivity WAAS + EGNOS + MSAS
Waypoints	3000
Routes	100
Trails	100 plots with up to 10,000 points per trail
GPS Alarms	Anchor, Arrival, Offcourse
Background Mapping	World reference basemap and enhanced U.S. basemap with over 3,000 enhanced lake maps with depth contour and shoreline detail, plus coastal depth contours/shoreline detail and spot depth soundings to 1,000 ft./305 m
Mapping Options	Lake Insight™ and Nautic Insight™ PRO and HD, Navionics® Gold and HotMaps® Premium, Fishing Hotspots® PRO, Jeppesen C-Map Max-N Wide.