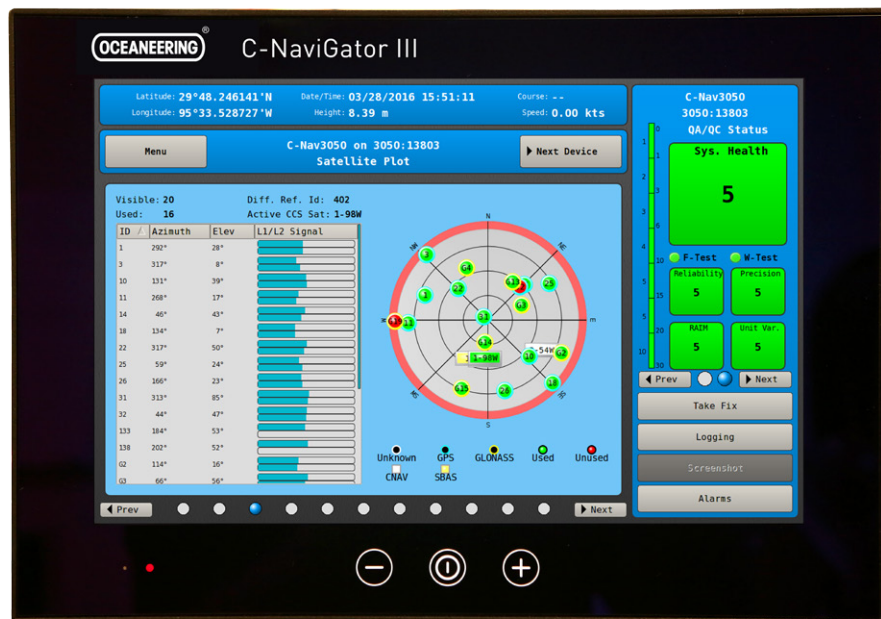


C-NaviGator III

Control and display unit



FEATURES

Control and monitor multiple C-Nav and third party devices

Advanced IMCA / OGP QA/QC displays

IEC 60945 certified

C-NaviGator III

Features

- » Control and monitor positioning sensors
- » Monitor National Marine Electronics Association (NMEA) compliant GPS systems
- » Five serial and two USB ports
- » Current settings can be saved for future use
- » User selectable units for distance, height, and speed
- » User selectable time zones
- » Day and night brightness settings, including auto mode
- » On-screen help documentation
- » Easy software updates via USB
- » Accepts NMEA versions of 0183 (2.1 / 3.0 / 3.1 / 4.0)
- » Output NMEA versions (2.1 / 3.0)
- » 13 in LCD touch screen display

C-NaviGator III Quality Monitoring Displays

- » **Positioning information** - large text display of position, HAE, SOG, and COG
- » **Compliant to OGP/IMCA** - multi-constellation statistical analysis
- » **Satellite information:**
 - » Satellite orientation in the form of sky plot displaying the current location of satellites visible to the GNSS receiver
 - » Table display of satellite elevation, azimuth, and L1/L2 signal strength
 - » Error ellipse graphically represents the sum of the horizontal error uncertainty
 - » Scatter plot displays a history of the positions received from the GNSS receiver
 - » List of "fixes" saved as an event log
 - » Varied alarm settings with current alarms visible
- » Sidebar solution information constantly displayed, giving the user the following information at a glance:
 - » Single/dual frequency
 - » 2D/3D height solution
 - » Corrections in use (RTK, CCS, SBAS, RTCM, and Autonomous)
 - » Differential age of correctors
 - » Satellites used in solution
 - » HDOP, VDOP, and PDOP
 - » FOM

Specifications

Processor

Intel® Atom™ N450 1.66 GHz processor

Memory

1GB SDRAM, 8GB SSD storage

Operating System

Linux - support for system functions (including SIO, USB, touch screen, and ethernet)

Display

13.3 in thin-film transistor (TFT) flat panel display - LED backlit touchscreen

~400 cd/m², 1024 x 800 panel/console

Mounting

19 in rack, desktop, 75 mm VESA (Video Electronics Standards Association), panel/console

Size (W x H x D)

13.97 x 9.78 x 2.24 in / 355 x 248.5 x 57 cm

Weight

7.4 lb / 3.36 kg

Power

Power Supply 115 V AC (60 Hz) - 230 V AC (50 Hz)

Input Voltage 24 VDC, dual input, automatic switching

Consumption 20 W (typical) - 30 W (max)

I/O Connector

(4) RS-232 (DB9M) +

(1) 422/485 on-board serial (SC 90F 5_POLE)

(2) 10/100 Mb/s ethernet interface ports (RJ45)

(2) USB interfaces

VGA Output Connector (1024 H x 800 V resolution)

Audio output (buzzer)

Adaptor for front panel USB access

Temperature

Operating -15°C to 55°C / 5°F to 131°F

Storage -20°C to 60°C / -4°F to 140°F

IP Rating IP66

Marine Type Approvals

IE 60945 Fourth edition 2002-08 (EN 60945: 2002), IACS E10, Class NK, GL, DNV, ABS, BV, LRS

Approvals and Certificates



Control Display Unit



Connection Panel

■ For more information: oceanering.com/cnav



oceaneering.com