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**

<table>
<thead>
<tr>
<th>Description</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power Supply</td>
<td>115 V AC (60 Hz) - 230 V AC (50 Hz)</td>
</tr>
<tr>
<td>Input Voltage</td>
<td>24 VDC, dual input, automatic switching</td>
</tr>
<tr>
<td>Consumption</td>
<td>20 W (typical) - 30 W (max)</td>
</tr>
</tbody>
</table>

**I/O Connector**

<table>
<thead>
<tr>
<th>Description</th>
<th>Value</th>
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<tbody>
<tr>
<td>(4) RS-232 (DB9M) +</td>
<td></td>
</tr>
<tr>
<td>(1) 422/485 on-board serial (SC 90F 5_POLE)</td>
<td></td>
</tr>
<tr>
<td>(2) 10/100 Mb/s ethernet interface ports (RJ45)</td>
<td></td>
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<tr>
<td>(2) USB interfaces</td>
<td></td>
</tr>
<tr>
<td>VGA Output Connector (1024 H x 800 V resolution)</td>
<td></td>
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<tr>
<td>Audio output (buzzer)</td>
<td></td>
</tr>
<tr>
<td>Adaptor for front panel USB access</td>
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</tbody>
</table>

**Temperature**

<table>
<thead>
<tr>
<th>Description</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating</td>
<td>-15°C to 55°C / 5°F to 131°F</td>
</tr>
<tr>
<td>Storage</td>
<td>-20°C to 60°C / -4°F to 140°F</td>
</tr>
<tr>
<td>IP Rating</td>
<td>IP66</td>
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**Marine Type Approvals**


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**Approvals and Certificates**

- Bureau Veritas
- GL
- IEC
- DNV
- Nippon Kaiji Kyokai
- IACS
- ABS
- ClassNK

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For more information: [oceaneering.com/cnav](http://oceaneering.com/cnav)