

C-NAV DGPS

C-NaviGator® is a self-contained, control/display unit, which provides a number of visual aids to monitor the quality, performance, and accuracy of GPS position information for any GPS receiver.



THE FOLLOWING ARE JUST SOME OF THE FEATURES PROVIDED BY THE C-NAVIGATOR® :

- Real-time system and quality information.
- Multiple NMEA inputs and selectable outputs.
- Intuitive and easy to use interface.
- Touch screen display.
- On screen help.
- Four built-in serial and two USB ports.
- Rugged and reliable.

For more information go to www.cnavgps.com

 **Contract Holder**
FSS Contract GS-07F-5671P

FEATURES

- Control and monitor C-Nav[®] GPS receivers
- Monitor NMEA compliant GPS systems
- Four serial and two USB ports
- Save/load settings
- User selectable units for distance, height, and speed
- User selectable time zones
- Day/night color settings including Auto Mode
- On-screen help documentation
- Easy software updates via USB
- Accept and output all NMEA versions (2.1 / 3.0 / 3.1)

C-NAVIGATOR[®] QUALITY MONITORING DISPLAYS

- Position Information – Large Text Display of Position, HAE, SOG, and COG
- Satellite Information:
 - > Satellite orientation in the form of a “sky plot” displaying the current location of the satellites visible to the GPS 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 GPS receiver
- Event Log “Fixes” – List of ‘Fixes’ saved in memory
- Alarms – List of current alarms
- Side Bar Solution information – This bar is constantly displayed, giving the user the following information at a glance:
 - > Single/Dual Frequency
 - > 2D/3D Height Solution
 - > Corrections in use (RTK, RTG, WCT, SBAS, RTCM, and Autonomous)
 - > Differential Age
 - > Satellites Used in Solution
 - > HDOP, VDOP, and PDOP
 - > FOM

COMPUTER SPECIFICATIONS

- Processor
1 GHZ VIA C7 Fanless Pentium Class Processor
- Memory
512MB SDRAM, 2GB CF
- Operating System
Linux - Support for system functions (including SIO, USB, Touch Screen, Ethernet)
- Display
10.4” TFT Flat Panel Display – Resistive Touch Screen
~400 cd/m2, 1024 (H) x 768 (V) native resolution
- Mounting
100mm and 75mm VESA, Panel

PHYSICAL/ENVIRONMENTAL

- Size: W x H x D: 13.4” x 10.3” x 3.3” (34.0 x 26.2 x 8.4cm)
- Weight: 9.8 lbs (4.5 kg)
- Power
 - Input Voltage: 12 VDC
 - Consumption: 250mA @ 12 VDC
- I/O Connector:
 - > 3 x RS232 + 1 x RS232/422/485 on-board serial ports available for user
 - > 1 x 10/100 Mb/s Ethernet Interface
 - > 2 x USB Interfaces
 - > Audio output “Beep” with buzzer
 - > PS2 Keyboard and Mouse Interface
- Temperature
 - Operating: 0°C to +55°C - Convection Cooling – No moving parts
- Housing: Black, high impact, flame resistant, aluminum enclosure



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