

# C-Nav1010 GPS Receiver



The C-Nav GPS Division of C & C Technologies has released the C-Nav1010, a new GPS receiver that uses the C-Nav Global Satellite GPS Correction Service. The new receiver provides sub-metre performance by tightly integrating precise point positioning (PPP) correction data with single-frequency GPS measurements.

The new C-Nav1010 is unique because it contains an L1 GPS package. Users who can accept a reasonable compromise in accuracy are rewarded with a substantial reduction in hardware cost.

The standard C-Nav1010 system comprises a high-sensitivity single-frequency (L1) GPS receiver integrated with a L-Band demodulator operating on a single antenna. The custom-built demodulator receives GPS corrections, QC, and integrity data from a constellation of six high-power Inmarsat communication satellites. This constellation provides 200 percent coverage from latitudes 72° North to 72° South. A separate L-band antenna is required for areas of extreme latitudes and the C-Nav1010 is capable of using WAAS, EGNOS, and external RTCM correction data.

This tightly integrated package is purpose-built to maximize precision and stability in noisy and hostile environments such as on offshore vessels and close to large structures. C-Nav1010's access to multiple communication satellites reduces outages when operating in these challenging situations.

A wide range of software and QC tools including C-NaviGator, C-Monitor and C-Setup supports the C-Nav1010.