

Hemisphere GPS Eclipse Dual-Frequency GPS Receiver

Hemisphere GPS (Canada) has introduced its enhanced Eclipse dual-frequency GPS receiver. The Eclipse receiver now supports USB communication and enables data logging to standard external USB flash drives.

It also now utilises an expanded number of standard RTK (Real-Time Kinematic) message formats, such as RTCM v3, CMR, and CMR+, making the Eclipse receiver compatible with CORS (Continuously Operating Reference Stations) and other RTK base station networks. The Eclipse receiver also includes the updated library from OmniSTAR, delivering improved acquisition time and performance.

An affordable dual-frequency solution, the Eclipse receiver delivers reliable centimetre-level accuracy by reducing code measurement noise and mitigating multipath signals. Depending upon the application, Eclipse users can record and post-process GPS data. In addition, users can choose from several differential solutions including RTK, OmniSTAR (HP/XP) and SBAS (Satellite-Based Augmentation Systems) such as WAAS, EGNOS, etc.

Eclipse receiver technology includes integrated L-Band tracking that powers down when not in use, multiple serial and USB ports, and upgradeable firmware. With such versatility and superior performance, the Hemisphere GPS' Eclipse receiver is the ideal choice for OEM customers for integration into a wide variety of precise applications including navigation and GPS machine control.

The enhanced Eclipse receiver version will be available in an OEM development kit by the end of September. Hemisphere GPS will also introduce Eclipse-based finished products in the very near future.

<http://www.hemispheregps.com/>

(Source: Hemisphere GPS)

<https://www.gim-international.com/content/news/hemisphere-gps-eclipse-dual-frequency-gps-receiver>
