

Hemisphere GPS R320 - Eclipse II Dual Frequency GNSS Receiver



Hemisphere GPS has announced the release of R320 - the first GNSS receiver built on Hemisphere GPS' new Eclipse II OEM board. Using the latest GNSS patented technology, R320 offers quick startup and reacquisition times, tracks GPS L1/L2, GLONASS L1/L2, SBAS augmentation signals, and OmniSTAR® HP/XP/VBS.

The R320 can log raw data to a removable USB flash drive for post processing. The receiver incorporates Hemisphere GPS' patented COAST technology that maintains DGPS accuracy during temporary loss of differential signal. Offering such upgradable features as RTK base station functionality or RTK rover performance as well as GLONASS tracking, R320 represents a cost effective, multi GNSS solution compatible with other GNSS products. As

a result, R320 fits a wide range of precise positioning applications including land and hydrographic surveying, machine guidance and control.

"R320 is the first of what will be a full line of Eclipse II based products," said Phil Gabriel, Vice President and General Manager, Precision Products, for Hemisphere GPS.

Improved RTK performance based on our patent-pending SureTrack technology is scalable on R320 - users can achieve centimeter level accuracy with L1/L2 GPS or improve performance and reliability with L1/L2 GLONASS signals. SureTrack ensures that the RTK rover receiver makes use of every satellite it is tracking, even satellites not tracked at the base. Additional benefits include fewer RTK dropouts in congested environments, faster requisitions and more robust solutions due to better cycle slip detection and the ability to process GNSS data from various manufacturers. Even if the base supports only GPS, SureTrack will process GLONASS signals at the rover to deliver complete GNSS performance. R320 combined with the new A52 antenna deliver the best combination of high-level GNSS performance and value in the marketplace.

R320 will be available later this month through our global network of Hemisphere GPS dealers. Please visit Hemisphere GPS in Hall B, Stand #118 at the INTERGEO 2010 Conference in Cologne, Germany, today through October 7th. The latest Hemisphere GPS Crescent, Eclipse, Vector GPS Compass, and antenna products will be on display.

<https://www.gim-international.com/content/article/hemisphere-gps-r320-eclipse-ii-dual-frequency-gnss-receiver>
