Hemisphere GPS Announces New S320 GNSS Survey Solution

Hemisphere GPS today announced its new S320 GNSS survey receiver, XF1 data collector and survey software. S320 combines the advanced GNSS receiver performance of Hemisphere GPSâ€™ Eclipse II technology, precise geodetic antenna, wireless communication and batteries all in a portable, rugged unit with matching data collector. Designed to be compatible with a variety of existing surveying equipment, S320 is a multi-GNSS positioning system for applications in GIS, construction, mapping, land and marine surveying.

The S320 is available as a basic low cost SBAS L1 GPS receiver, with the option to enable full GNSS support and L Band corrections. With transmit and receive capabilities, the S320's UHF 400 MHz or Spread Spectrum 900 MHz internal radio eliminates the need for cables on both base and rover installations. An internal GSM/GPRS modem makes S320 an ideal rover for network RTK, eliminating the hassle of external modems and cables. The XF1 data collector connects via Bluetooth to the S320 and through the Carlson SurvCE software provides a familiar and proven interface to the surveyor. Other brands of software will also be supported.

Hemisphere GPS' SureTrack technology ensures that S320 uses every satellite it is tracking for RTK solutions, this also goes for satellites not tracked at the base. Additional benefits include, according to Hemisphere GPS, fewer RTK dropouts in congested environments, faster re-acquisitions, 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.

The S320 will be featured on the Hemisphere GPS stand no. 819 at the ION GNSS Conference in Portland, Oregon (USA) from 19th to 23rd September and on stand no. 7.C14 at the Intergeo in Nuremberg, Germany from 27th to 29th September.