

# Hemisphere GNSS Introduces Eclipse P306 and P307 at Intergeo



Hemisphere GNSS will introduce the Eclipse P306 and P307, the latest models in the Eclipse series, at Intergeo. The Eclipse P306 and P307 track multi-frequency GPS, GLONASS, and BeiDou satellite signals and are Galileo and QZSS-ready. By tracking more signals, RTK positioning performance improves, especially in challenging environments.

The Eclipse P306 and P307 are the first products to utilise the company's new SX4 ASIC. Capable of simultaneously tracking code and phase signals on 89 satellites, SX4 boasts 372 channels and can be configured to address several diverse applications through software.

Smaller than a business card, the Eclipse P306 upgrades existing designs using Hemisphere's standard 34 pin modules. The Eclipse P307 is a drop-in upgrade for designs based on the industry accepted 20 pin module. Both products offer scalable performance. RTK accuracy is achieved in either single or dual frequency mode. When subscribed for multi-frequency, multi-constellation RTK, Eclipse receivers have fast RTK initialisation times even over long distances.

While the Eclipse P306 and P307 provide outstanding RTK performance, commented Dr. Mike Whitehead, chief technology officer of Hemisphere GNSS, non-RTK users benefit from their COAST, SureTrack, and HeadStart technologies. COAST and SureTrack work together to maintain sub-meter positioning for 40 minutes when differential corrections are lost. HeadStart reduces the occurrence of cold starts by keeping time while the receiver module is powered off, providing faster start-up times.

Support of the Chinese BeiDou GNSS constellation is significant. The BeiDou constellation not only fully covers China, but extends beyond, covering 2/3 of the world's land mass, benefiting 5.8 billion people. Coverage currently includes Asia, Australia, New Zealand to South Africa, Europe and all of Russia, as well as Hawaii with, on average, three or more BeiDou satellites visible above 15°.

In February 2013, Hemisphere GPS changed its name to Hemisphere GNSS after parting ways with its Agriculture unit. While both names are owned by the company, in order to reflect the company's support of all Global Navigation Satellite Systems (GNSS) and update the company's image, 'Hemisphere' has been adopted as its brand name. The company also has adopted a new logo and has launched an updated website; [www.HemisphereGNSS.com](http://www.HemisphereGNSS.com).

Hemisphere will be introducing the new Eclipse P306 and P307 OEM positioning modules at the annual Intergeo conference in Essen, Germany, 8-10 October 2013 at Stand No. A3.070.