

For Immediate Release

Hemisphere GNSS Introduces Next-Generation R620 GNSS Receiver

The first GNSS receiver using next-generation ASIC technology to deliver best-in-class, industry-leading performance and precision

Stuttgart, Germany – September 18th, 2019 – Today, at the INTERGEO expo and conference in Stuttgart, Germany and the ION GNSS+ conference in Miami, FL, USA, Hemisphere GNSS introduces the next-generation R620 GNSS receiver, a compact, versatile, and full-featured positioning system. The wide range of functionality and ease-of-use built into the R620 makes it an ideal fit for a variety of land and marine applications requiring high-precision positioning.

The R620 GNSS receiver is a complete refresh of the previous version (R330) and includes an all-new low-profile ruggedized enclosure. With the flexibility and scalability offered within the R620 system, customers can start with sub-meter positioning accuracy and upgrade the receiver (through activations and subscriptions) to add functionality and improve performance capability to centimeter-level accuracy.

Powered by the all-new [Vega™ series](#), the R620 GNSS receiver processes and supports over 1,100 channels and offers flexible and scalable simultaneous tracking of every modern and planned GNSS constellation and signal including GPS, GLONASS, BeiDou (including Phase 3), Galileo, QZSS, IRNSS, SBAS, and Atlas® L-band. The Vega series is powered by Hemisphere's recently announced next-generation Lyra™ II digital ASIC, Aquila™ wideband RF ASIC, and Cygnus™ interference mitigation technology.

The R620 combines Hemisphere's Athena™ GNSS engine and Atlas L-band correction technologies with status LEDs and a powerful WebUI. These features make the R620 easy to monitor, configure, and offer an unparalleled level of customer-friendly performance.

The R620 comes equipped with UHF (400 MHz and 900 MHz) radio, cellular modem, Bluetooth, and Wi-Fi, making wireless communications and connectivity easy to use. Ethernet (including Power over Ethernet), CAN, Serial, and USB also elevate the system's capabilities.

"With its all-new design and feature set, the R620 GNSS receiver is Hemisphere's offering to what the market desires – smaller machine, lower cost, and less power," said Miles Ware, director of marketing at Hemisphere, "the receiver boasts a feature- and performance-packed combination of greater performance, improved robustness, and excellent value."

With Athena GNSS engine, the R620 provides best-in-class, centimeter-level RTK. Athena excels in virtually every environment where high-accuracy GNSS receivers can be used. Tested and proven, Athena's performance with long baselines, in open-sky environments, under heavy canopy, and in geographic locations experiencing significant scintillation is nothing short of cutting-edge.

The R620 GNSS receiver is featured by Hemisphere at INTERGEO in Stuttgart, Germany from September 17 through 19, 2019 (hall 3, booth C3.030) and at ION GNSS+ in Miami, FL, USA from September 18 through 19, 2019 (booth 411).

About Hemisphere GNSS

Hemisphere GNSS, Inc. is an innovative high-tech company that designs and manufactures positioning and heading products, services, and technology for use in agriculture, construction & mining, marine, OEM, L-band correction service markets, and any application that requires high-precision positioning and heading. Hemisphere holds numerous patents and other intellectual property and sells globally with several leading products, service, and technology brands including [Athena™](#), [Atlas®](#), [Crescent®](#), [Eclipse™](#), [Outback Guidance®](#), and [Vector™](#) for high-precision applications. Hemisphere is headquartered in Scottsdale, AZ, USA, with offices located around the globe and is part of Beijing UniStrong Science & Technology Co., Ltd.

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