

For Immediate Release

Hemisphere GNSS Announces Vector™ VR1000 Rugged GNSS Receiver for Machine Control Applications

OEM (original equipment manufacturer) hardware for building your machine control & guidance systems

LAS VEGAS, NV, USA – March 9, 2017 – Today, at CONEXPO-CON/AGG 2017, Hemisphere GNSS, Inc. ([booth G71925](#)) announces the [Vector VR1000 Rugged GNSS Receiver](#). Designed specifically for harsh machine control environments, the multi-frequency, multi-GNSS receiver offers RTK positioning and high-precision heading. VR1000 adds another system component and empowers heavy equipment manufacturers to deliver their own machine control and guidance solutions to their customers.

“The Vector VR1000 is our most robust GNSS receiver yet,” said Lyle Geck, product manager at Hemisphere. “The receiver is designed specifically for the machine control environment and offers a feature- and performance-packed combination of Athena™ RTK engine, Atlas® L-band corrections, and excellent connectivity.” Lyle stated, “with a baseline separation up to 10 m, users can achieve heading accuracies of up to 0.01 degrees.”

The 744 channel VR1000 excels in difficult environments, tracking GPS, GLONASS, BeiDou, Galileo, QZSS, and IRNSS. Its connectivity features support Ethernet, CAN, internal 400 MHz/900 MHz radio, Serial, Bluetooth, and Wi-Fi. VR1000 also has 12 multi-color LEDs and a powerful, easy-to-use webUI making it simple for the user to operate and quickly identify the health of all significant receiver and performance features.

Powered by Athena GNSS engine, VR1000 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.

Integrated L-band adds support for Atlas GNSS global corrections for meter to sub-decimeter level accuracy while new Tracer™ technology helps maintain position during correction signal outages. VR1000 also uses Hemisphere’s aRTK™ technology, powered by Atlas. This feature allows the receiver to operate with RTK accuracies when RTK corrections fail. If the VR1000 is Atlas-subscribed, it will continue to operate at the subscribed service level until RTK is restored.

Agility and Technology Meets Iron

Manufacturers are looking for flexibility and price performance in existing system offerings or in new systems. Hemisphere is providing the world’s first “full system OEM positioning solution toolkit” for building complete machine control and guidance systems with the announcement of [GradeMetrix™ application software](#) and an array of compatible GNSS hardware components. These include [IronOne Rugged Display & Computer](#), [C321 RTK Base & Rover with SiteMetrix™ Site Management Software](#), [A326 Rugged GNSS Smart Antenna](#), and [Vector VR500 Rugged All-in-One Smart Antenna](#).

Please visit our booth [G71925 at CONEXPO-CON/AGG 2017](#) from March 7 to 11 in Las Vegas, NV to see our offerings in person.

About Hemisphere GNSS

Hemisphere GNSS is an innovative technology company that designs and manufactures high-precision positioning products and services for use in OEM/ODM, marine, machine control & guidance, agriculture, and L-band correction service markets. Hemisphere holds numerous patents and other intellectual property and sells globally with several leading product and technology brands including Athena™, Atlas®, Crescent®, Eclipse™, and Vector™ for high-precision applications. Hemisphere is based in Scottsdale, AZ, USA, with offices located around the globe, and is part of Beijing UniStrong Science & Technology Co., Ltd.

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