



Septentrio Introduces “Future Proof” GNSS RTK Technology for Surveyors

Next-Generation Altus APS3G Tracks All Current and Projected Signals, Incorporates Industry Leading Interference Mitigation

TORRANCE, Calif. – May 18, 2016 – Septentrio has introduced its next-generation high-precision Altus APS3G RTK receiver, which brings technology only previously available in scientific receivers into the field for professional surveyors.

The new multi-constellation APS3G addresses major concerns about compatibility with new satellite constellations, as well as interference and jamming, according to Neil Vancans, vice president of Septentrio Americas.

Built on Septentrio’s AsteRx4 engine, the APS3G tracks all-in-view GPS, GLONASS, Beidou, IRNSS, SBAS, Galileo and QZSS, including E6/L6, and all other signals known to be available in the medium term.

The APS3G incorporates Septentrio’s AIM technology with three notch filters for in-band jamming and chirp jammer resistance, ensuring the highest possible levels of accuracy and resilience under all conditions. This technology is well proven in Septentrio’s reference station and scientific products which are acknowledged as technology leaders and deployed by major research institutions all over the world.

With two hot-swappable batteries, the APS3G provides up to 14 hours of operation without recharging, the longest endurance of any high-precision GNSS receiver in the surveying industry, maximizing uptime in the field.

The APS3G provides optimum GSM signal reception, as well as a built-in advanced UHF receiver for reliable performance on longer baselines, yielding real-time 25 Hz RTK. It also supports TERRASTAR L-band corrections for sub decimetre-level accuracy.

The flexible APS3G receiver can function as either a rover or base station, providing maximum versatility in the field.

“The Altus APS3G with embedded AsteRx4 technology brings what has previously been available only in high-priced scientific GNSS receivers to the workplace of the average surveyor,” said Vancans. “With 544 channels capable of tracking all known and foreseen satellite signals and bands, the all-in-one unit is future proof, and Septentrio’s open architecture makes the APS3G compatible with most other hardware and software solutions, driving down the lifetime cost of ownership. In addition, with its extremely low power consumption, no other survey receiver on the market gives as much battery life, saving time and money on the job.”

About Septentrio:



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Septentrio designs, manufactures and sells high-precision multi frequency multi constellation GPS/GNSS equipment which is used in demanding applications in a variety of industries such as marine, construction, agriculture, survey and mapping, GIS, UAVs as well as other industries. Septentrio receivers deliver consistently accurate GNSS positions scalable to cm-level, and perform solidly even under heavy scintillation or jamming. Septentrio receivers are available as OEM boards, housed receivers and smart antennas.

Septentrio offers in-depth application and integration support to make its customers win in their markets. Septentrio is headquartered in Leuven, Belgium and has offices in Torrance, CA and Hong Kong, and partners throughout the world. To learn more about Septentrio and its products, visit www.septentrio.com

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