



For immediate release

## Septentrio introduces next generation GNSS reference receiver PolaRx5

Leuven, Belgium and Torrance, CA – December 14 – Septentrio, a leading provider of accurate and reliable GNSS receivers announces today the launch of its next generation Global Navigation Satellite System (GNSS) receiver for precise scientific and geodetic applications – the PolaRx5. This new receiver in the PolaRx product line is developed specifically to support the most demanding applications for the Earth science community offering a select range of advanced features which enable maximum accuracy and functionality.

Powered by Septentrio's next generation multi-frequency engine, the PolaRx5 offers 544 hardware channels for robust and high quality GNSS tracking. The receiver supports all major satellite signals including GPS, GLONASS, Galileo and BeiDou as well as regional satellite systems including QZSS and IRNSS.

Septentrio's field-proven Advanced Interference Mitigation (AIM+) technology enables the PolaRx5 to filter out both intentional and unintentional sources of radio interference, from narrowband signals over high powered pulsed signals to chirp jammers and Iridium interferers. Furthermore, Septentrio's patented APME+ multipath mitigation technology – unique in eliminating short delay multipath without introduction of bias – guarantees superior measurement quality. If needed, the user has the ability to activate or deactivate APME+ to obtain completely unmodified measurements.

Various independent tests have shown PolaRx5 consistently ranks highest among GNSS receivers in many areas of measurement quality, including fewest number of cycle slips and lowest power consumption well below 2W.

PolaRx5 also introduces a new standard in ease-of-use. Thanks to Septentrio's comprehensive web interface and the built-in Wi-Fi and Bluetooth interface, users have complete control and visibility of the receiver. The user's web browser provides secure access to all receiver settings and status, data storage and firmware upgrades as well as advanced monitoring such as a built-in spectrum analyser.



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“With PolaRx5, Septentrio has developed an advanced GNSS Reference receiver to meet the advanced needs of our customers” stated Jan Leysens, PolaRx5 Product Manager. He continued: “The selection of PolaRx by UNAVCO for their reference receiver needs, illustrates the strengths of Septentrio’s robust technology and PolaRx’s innovative features such as its interference robustness, spectrum analyser and web interface to make the PolaRx5 the leading GNSS reference receiver on the market today”.

### **About Septentrio:**

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 <http://www.septentrio.com>

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