

GNSS Receiver for Time and Frequency Transfer Applications



Septentrio has launched a GNSS receiver for dedicated time and frequency transfer applications: the PolaRx5TR. The PolaRx5TR has 544 hardware channels and supports all major satellite constellations including GPS, GLONASS, Galileo, BeiDou, QZSS and IRNSS. A calibration circuit is incorporated into the PolaRx5TR to measure and compensate for the internal delay. This feature removes the need for calibration using external equipment and ensures measurement latching is always accurately synchronised with the PPS input.

[Septentrio's](#) PolaRx5TR is compliant with the format CGGTTS version V2E of Consultative Committee for Time and Frequency (CCTF) recommendations. Also included as standard is Septentrio's Advanced Interference Mitigation (AIM+) technology giving outstanding interference robustness in difficult radio environments. Furthermore, up to 8 independent logging sessions can be configured logging to either the 16 GB internal memory or to an externally connected device.

<https://www.hydro-international.com/content/news/gnss-receiver-for-time-and-frequency-transfer-applications>
