

# Applanix Announces Next Generation GNSS Receiver Module

Applanix has announced the availability of the Trimble BD960 GNSS receiver module for its POS AV airborne position and orientation system. The BD960 is a next generation, high-performance receiver capable of receiving a wide-range of GNSS signals, including GPS L1/L2, L2C, L5, and GLONASS L1/L2.

With the GNSS module, POS AV products now support GPS L1/L2 and GLONASS L1/L2 processing, both in real-time and post-mission. The end result is improved operational efficiency and robustness for direct georeferencing of sensors employed for airborne mapping, including LIDAR, SAR, and digital or film cameras.

The processing of signals from GPS and GLONASS satellites means faster and more reliable ambiguity fixes with cleaner trajectory processing. For airborne surveying, the extra GLONASS satellites can also provide an advantage by decreasing periods of reduced dilution of precision (DOP), particularly at high latitudes, which can extend the window for maximum surveying accuracy.

POS AV is a hardware and software system specifically designed for the direct georeferencing of sensors used for airborne mapping. By integrating precision GNSS with inertial technology, POS AV enables mapping projects to be completed more efficiently, effectively, and economically. Supported by Applanix' industry expertise and technological innovation, POS AV is engineered for aerial cameras, scanning lasers, imaging sensors, synthetic aperture radar, and LIDAR technology.

Applanix's POS AV system with the embedded BD960 receiver module is available through the Applanix sales network. The GNSS module is also available as an upgrade for existing POS AV V5 systems.

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