

ComNav Technology Upgrades GNSS Receivers



ComNav Technology has announced a global upgrade of the T300 and T300 Plus GNSS receiver, including the upgrade to the new GNSS K8 platform on both receivers and the replacement of the tilt sensor to IMU module on the T300 Plus.

The upgraded T300 and T300 Plus optimize the performance in various aspects. The full-constellation tracking ability on the K8 platform makes it

possible to receive all the current and future GNSS signals, including GPS, BDS, GLONASS, Galileo, QZSS, Navic and SBAS. Compared with previous ones, signal support and tracking is for QZSS L1/L2/L5, Navic L5, Galileo E6 and Altboc. GLONASS L3 is also available. After the upgrade, T300 and T300 Plus have 965 GNSS channels. This introduces robust GNSS tracking performance for users.

Reliable positioning results in complex environments


The advanced GNSS real-time kinematic (RTK) technology on the K8 platform provides continuous centimetre-level positioning within a short period of time. Moreover, to alleviate the influence on the authentic satellite signals, the K8 platform also enhances interference detection and mitigation. The interference, for example, between buildings or in the dense jungle, will no longer affect the positioning results.

With the technologies mentioned above, the users can expand the reach of their GNSS rovers and obtain reliable positioning results, even in complex environments.

The advantages of the K8 platform also reflect endurance. In static mode, the power consumption is reduced to 1.92W and the working time is extended to 16 hours, providing a smooth workflow without an external power supply.

Combined with Inertial Measurement Unit (IMU) module, T300 Plus can support tilt compensation up to 60° and keeps the accuracy within 2.5cm, which significantly improves the fieldwork with increased efficiency, convenience and reliability. Without magnetometer and accelerometer calibration, it is easy to get started and save time

The upgraded [T300](#) and [T300 Plus](#) GNSS receiver is available now. Contact ComNav Technology to learn more about the products, or purchase them from your local distributor.

 Land surveyor of GEOGlobalty " based in Santiago, Chile " with a ComNav T300 GNSS receiver. (Courtesy: GEOGlobalty)