

Palm-sized Dual Frequency RTK GPS receiver



Geneq has presented one of the world's smallest dual-frequency (GPS L1/L2) GPS RTK receivers for high-accuracy GIS data collection. The SXBlue III GPS is weighing slightly more than one pound (517g) and fitting comfortably in the palm of your hand. Equally small is its patch antenna. At 5.5cm wide and weighing 80 grams, according to Geneq it is one of the smallest dual-frequency antennas in the world.

The SXBlue III GPS offers 51 channels of proven 1-cm RTK performance and tracks L1 C/A code and L1 P(Y)/L2 P(Y) carrier phase as well as SBAS (WAAS/EGNOS/MSAS/GAGAN). Support for RTK Networks is included and an L2C upgrade available. The 9-hour Li-Ion battery is field-replaceable.

In addition to RTK, you also have the option of using L1 SBAS for sub-metre mapping. Having the choice of using either L1/L2 RTK for real-time centimetre accuracy or L1 SBAS for 60cm real-time mapping provides flexibility.

Geneq's SXBlue product line offers bullet-proof Bluetooth technology for ultimate flexibility in connecting to a wide variety of smartphones, PDAs, tablet computers and notebook computers. The SXBlue III GPS incorporates a long-range Class 1 Bluetooth transceiver capable of communicating at distances of over 250 metres.

The device is built to work in the toughest environments. It is designed to meet the IP-67 environmental rating which means it's rugged, waterproof and will survive accident immersion in water at 30cm depth for up to 30 minutes.

The SXBlue III is targeted at GPS/GIS mapping and surveying professionals in industries such as forestry, utility, agriculture and other natural resources industries in addition to municipal, state and federal government users.