

# Leica Geosystems Launches Viva GNSS Unlimited Series



The new Leica Viva GNSS Unlimited Series, available from August 2014, fully supports the Chinese BeiDou navigation system. The range can provide BeiDou-only and Glonass-only high-precision positioning. Leica Geosystems has announced that the unlimited series additionally includes a future upgrade to a GNSS board with more than 500 channels and will serve users'™ needs beyond 2020.

The Leica Viva GNSS Unlimited Series can be upgraded to the full range of GNSS signals. The sensors' design is equipped for GNSS modernisation, providing users with confidence in their investment. The Leica Viva GNSS Unlimited series includes an upgrade to a GNSS board with more than 500 channels. To fully guarantee future proof GNSS, board exchanges are inevitable because any likely modifications in GNSS signals require

a new GNSS ASIC (Application Specific Integrated Circuit).

## BeiDou

Leica Geosystems' Leica SmartTrack technology is developed to guarantee accurate signal tracking, while the SmartCheck technology evaluates and verifies RTK measurements to ensure the most reliable results. Both SmartTrack and SmartCheck technologies have been extended to support the BeiDou GNSS. BeiDou reached full operational regional capability in 2012 and currently has a total of 14 satellites. Leica Viva GNSS also supports features like BeiDou-only and GLONASS-only positioning to accommodate governmental regulations.

All Leica Viva GNSS products are designed to exceed the toughest environmental specifications, going beyond industrial standards such as IP68. Applications for the range include construction and field surveying, mining, seismic work in dense forest, desert or mountains, as well as demanding work in extreme heat at 65°C or at extreme latitudes at -30°C.

---

<https://www.gim-international.com/content/article/leica-geosystems-launches-viva-gnss-unlimited-series>

---