

Integrated GNSS Survey Receiver Improvements



Trimble, USA, is applying functionality updates to its integrated GNSS survey receiver portfolio, which includes the Trimble R4, Trimble R6 and Trimble R8 GNSS systems and is rounded out by the recently released Trimble R10 GNSS system. The updates include increased satellite tracking and Real Time Kinematic (RTK) performance. These improvements modernise the integrated receiver portfolio to add functionality, flexibility and capability as well as more options for surveyors.

Trimble R8 GNSS System

As an industry-leading GNSS system, the [Trimble R8](#) includes integrated Trimble Maxwell 6 ASICs offering 440 channels. Powered by Trimble 360 technology, the Trimble R8 provides consistent and reliable tracking of signals for all existing GNSS constellations and augmentation systems, including GPS, GLONASS, Galileo, BeiDou and [QZSS](#). Using the Trimble R8, surveyors can connect directly to the controller, receive RTK network corrections and access the internet via comprehensive communication options.

Trimble R6 GNSS System

Featuring Trimble R-Track satellite tracking technology, a Trimble Maxwell 6 ASIC with 220 channels and support for all GPS and QZSS signals with GNSS upgrade options, the [Trimble R6](#) provides surveyors with a completely scalable and flexible solution. The Trimble R6 supports GPS L1, L2, L2C, and L5 signals and QZSS as standard and offers upgrade options to support GLONASS, Galileo and BeiDou signals. The Trimble R6 delivers the accuracy and reliability required for precision surveying with superior tracking and RTK performance.

Trimble R4 GNSS System

Designed for use with the new Trimble Slate Controller and Trimble Access™ field software, the [Trimble R4 GNSS System](#) provides a dedicated and reliable GNSS solution that is effective for both real time and post-processed GNSS surveys. The Trimble R4 now supports GPS L1, L2, and L2C and QZSS signals as standard and also offers GLONASS, Galileo and BeiDou support upgrade options. The system includes Trimble R-Track technology and a Trimble Maxwell 6 ASIC with 220 channels.

Trimble R10 GNSS System

The [Trimble R10 GNSS system](#) is the premier solution of the integrated survey receiver portfolio. Designed to increase productivity, the Trimble R10 provides powerful functionality, including Trimble 360 receiver technology, precise position capture with Trimble SurePoint™ technology, the cutting-edge Trimble HD-GNSS processing engine and Trimble xFill bridging technology to “fill in” for RTK corrections in the event of temporary radio or Internet connection outages.