

Trimble R2 GNSS Receiver for Data Collection with ArcGIS



Esri has announced the availability of the [Trimble R2 Global Navigation Satellite System \(GNSS\) receiver](#) for collecting professional-grade GPS data with [Collector for ArcGIS](#). The GNSS receiver is rugged certified MIL-STD-810G, IP65 rated, compact and streamlined to enable a quick set-up. The Trimble R2 GNSS receiver is capable of delivering between sub-metre and centimetre positioning accuracy in real time to Android or iOS mobile devices via a wireless Bluetooth connection or USB cable to support GIS or survey-grade workflows.

Today's geospatial professionals require flexible solutions which allow for configuration to meet their specific job requirements, said Ron Bisio, vice president of Trimble's Surveying and Geospatial Division. By offering a complete, integrated solution, Esri and Trimble

enable their joint customers to build a better and more reliable asset inventory using the mobile device, workflow and accuracy they choose.

App

Users of Collector for ArcGIS on consumer-grade mobile devices might find their GPS to be less accurate than they need it to be. With the upcoming high-accuracy improvements to the Collector for ArcGIS App, the Trimble R2 GNSS receiver provides total flexibility to choose a solution based on the accuracy and GNSS performance level that suits their application. Now the locational precision of mobile devices can be enhanced via the Trimble R2 GNSS receiver. It is capable of supporting multiple global satellite constellation systems, including GPS, GLONASS, Galileo, and BeiDou, and delivers GNSS positions in real time without the need for postprocessing.

In the field

Collector for ArcGIS is used by organisations to collect and update GIS data in the field, said Esri hardware solutions manager Dean Garner. Many of the customers like the ease of use of Collector for ArcGIS on consumer handheld devices. Paired with the Trimble R2 GNSS receiver and the upcoming high-accuracy enhancements of Collector for ArcGIS 10.4, users can capture GIS data on their smartphones and tablets that meets the more stringent accuracy requirements of their organisation.

Designed for GIS professionals in a variety of organisations, the stand-alone Bluetooth or USB connected Trimble R2 GNSS receiver enables users to collect high-accuracy location data with Collector for ArcGIS on existing technology –whether it's a modern smart device, such as a mobile phone or tablet, or a traditional integrated data collection handheld or tablet. The receiver can be pole mounted or carried in a backpack for ease of use.

The [Trimble R2 GNSS Receiver](#) is available now through Esri.

Learn more about Esri's hardware solutions, visit esri.com/hardware.