

# Trimble R8s Integrated GNSS System

We have been dealing with Trimble GPS in China and Hong Kong for many years, offering many economical Trimble GPS solutions to our international partners at special dealer prices. All Trimble GPS come with a one-year warranty from the date of delivery. Each Trimble GPS also book directly from Trimble in the US upon orders from partners, so you can also guarantee the latest version and the latest software version. However, delivery times may take a little longer and may take 3-5 weeks. The best delivery time is 2-3 weeks. This depends on Trimble availability. However, delivery time is up to 5 weeks.

Trimble R8s GNSS receivers provide only the features and benefits you need in one flexible, expandable system, allowing you to build a system tailored to your business. Depending on the requirements change, the Trimble R8 can be adapted. Add features whenever you need them.

## **The Trimble GNSS system enables you to work with the most confidence and optimal efficiency in your work throughout every stage of your surveying project.**

- Experience productivity beyond the best GNSS technology on the market.
- Collect more data in less time with comprehensive GNSS support and a wealth of powerful features including Trimble HD-GNSS and Trimble 360 technology.
- Combine surveying technologies such as Trimble optical solutions and GNSS solutions to achieve more in-site.
- Reduce rework with quality control features such as Trimble SurePoint™ technology
- Easy-to-use field solutions allow you to make the most of your GNSS system.



# Product Description

## Productivity beyond GNSS

The new Trimble R10 is designed to allow surveying professionals to work more efficiently, representing the next generation of GNSS surveys. With powerful new technology beyond comprehensive GNSS support, the best Trimble R10 allows surveyors to collect more reliable data, no matter what their job they do.

- The cutting-edge Trimble HD-GNSS processing engine allows surveyors to measure points faster.
- SurePoint technology completely compensates for pole tilt. Complete quality assurance makes it easy to measure points that could not otherwise be accessed.
- Trimble xFill™ technology provides RTK coverage during connection outages, reducing site downtime.
- Powerful 440-channel solution with Trimble 360 technology enables cutting-edge satellite tracking.
- Trimble CenterPoint™ RTX™ provides GNSS correction via satellite anywhere in the world, delivering unprecedented speed and accuracy for a PPP solution.
- Ergonomic design makes handling easier and more comfortable
- Combine with Trimble Access and TSC3 controllers, Trimble Tablet or Trimble CU for the most powerful solution on the market.



## Features

- \*One configurable receiver that can be expanded to suit your future needs
- \* Available in post-processing, base only, rover only, or base and rover configurations
- \* Advanced satellite tracking with Trimble 360 receiver technology
- \* Includes 440 channel Trimble Maxwell 6 chips
- \* Easy integration with Trimble S Series Total Station
- \* Intuitive Trimble Access Field Software and Trimble Business Center Office Software
- \* Trimble DL Android app for collecting static GNSS raw data for post-processing

## Performance Specifications

### Measured values

- Trimble HD-GNSS technology allows you to measure points faster and faster even in harsh environments
- Trimble SurePoint Electronic tilt correction improves measurement productivity and traceability
- Worldwide Centimeter-level positioning using Trimble CenterPoint RTX satellite correction
- Trimble xFill technology reduces downtime due to radio signal loss
- Advanced Trimble Maxwell 6 Custom Survey GNSS Chip with 440 Channels
- Trimble 360 GNSS tracking ensures future investments

### Satellite signals tracked simultaneously:

- GPS: L1C/A, L1C, L2C, L2E, L5
- GLONASS: L1C/A, L1P, L2C/A, L2P, L3
- SBAS: L1C/A, L5 (for SBAS satellites that support L5)
- Galileo: E1, E5a, E5B
- Hokuto (COMPASS): B1, B2
- **CenterPoint RTX, OmniSTAR HP, XP, G2, VBS Positioning**
- **QZSS, WAAS, EGNOS, GAGAN**
- **Positioning speed: 1 Hz, 2 Hz, 5 Hz, 10 Hz, and 20 Hz**

|                      | INTEGRATED SYSTEMS                          |   |   |   | MODULAR SYSTEMS                             |   | HANDHELD SYSTEMS                  |
|----------------------|---|---|---|---|---|---|-----------------------------------|
|                      | Trimble R10                                 | Trimble R8                                  | Trimble R6                                  | Trimble R4                                | Trimble R7                                  | Trimble R5                                  | GeoXR                             |
| GNSS Surveying       | Real-time (RTK/VRS) and Postprocessed       | Real-time (RTK/VRS) and Postprocessed       | Real-time (RTK/VRS) and Postprocessed       | Real-time (RTK/VRS) and Postprocessed     | Real-time (RTK/VRS) and Postprocessed       | Real-time (RTK/VRS) and Postprocessed       | Real-time (VRS) and Postprocessed |
| Tracking Technology  | Trimble 360                                 | Trimble 360                                 | R-Track                                     | R-Track                                   | R-Track                                     | R-Track                                     | R-Track                           |
| Channels             | 440   | 440   | 220   | 220                                       | 72  | 72  | 220                               |
| Solution Type        | HD-GNSS                                     | Fixed/Float                                 | Fixed/Float                                 | Fixed/Float                               | Fixed/Float                                 | Fixed/Float                                 | Fixed/Float                       |
| xFill                | Yes   | No  | No  | No  | No  | No  | No                                |
| RTX                  | Yes   | No  | No  | No  | No  | No  | No                                |
| SurePoint            | Yes   | No  | No  | No  | No  | No  | No                                |
| UHF Radio            | Receive & Transmit                          | Receive & Transmit                          | Receive & Transmit                          | Receive & Transmit                        | Receive Only (external for transmit)        | Receive Only (external for transmit)        | No                                |
| Cellular             | Yes   | Yes   | Yes   | Yes                                       | External                                    | External                                    | Yes                               |
| WiFi                 | Yes   | No  | No  | No  | No  | No  | Yes                               |
| Bluetooth            | Yes   | Yes   | Yes   | Yes                                       | Yes   | No  | Yes                               |
| Memory               | 4 GB  | 57 MB                                       | 11 MB                                       | 11 MB                                     | Removable                                   | Removable                                   | 2 GB                              |
| Antenna              | Integrated                                  | Integrated                                  | Integrated                                  | Integrated                                | External                                    | External                                    | Integrated and External           |
| Camera               | No  | No  | No  | No  | No  | No  | 5 MP                              |
| Web Interface        | Yes   | Yes   | No  | No  | Yes   | No  | No                                |
| Integrated Surveying | Yes   | Yes   | Yes   | Yes                                       | Yes   | Yes   | No                                |
| GPS                  | Yes   | Yes   | Yes   | Yes                                       | Yes   | Yes   | Yes                               |
| Glonass              | Yes   | Yes   | Yes   | Yes                                       | Yes   | Yes   | Yes                               |
| Galileo              | Yes   | Yes   | Yes   | Yes                                       | No  | No  | No                                |
| BeiDou (Compass)     | Yes   | Yes   | Yes   | Yes                                       | No  | No  | No                                |
| SBAS                 | Yes   | Yes   | Yes   | Yes                                       | Yes   | Yes   | Yes                               |
| Battery              | Single; removable                           | Single; removable                           | Single; removable                           | Single; removable                         | Dual; removable                             | Dual; removable                             | Single; removable                 |
| Field Solution       | Trimble Access (Tablet, TSC3 or Trimble CU) | Trimble Access (Tablet, TSC3 or Trimble CU) | Trimble Access (Tablet, TSC3 or Trimble CU) | Trimble Access (Trimble Slate Controller) | Trimble Access (Tablet, TSC3 or Trimble CU) | Trimble Access (Tablet, TSC3 or Trimble CU) | Trimble Access (on board)         |

## Packaging and shipping





### **Our Services:**

- 1 24 We will reply to your inquiry within business hours
- 2 Experienced staff will answer all your questions in professional and fluent English.
- 3 Well-trained, professional engineers and staff will provide our customers with unique solutions.

If you are interested in this product, please feel free to contact us.