



GNSS RECEIVER

R12i



Tilt Compensation

## A New Angle of Productivity

The Trimble® R12i GNSS System delivers unmatched GNSS performance, speed and accuracy to boost your productivity like never before. It expands the capabilities of the ground-breaking **Trimble ProPoint™ RTK positioning engine** for more than 30 percent better performance in challenging environments and incorporates all new **Trimble TIP™ tilt compensation technology** so you can measure or stake out points faster and in more places without leveling the survey pole. Get ready to get more done than you ever thought possible.

Learn more at [Trimble.com/R12i](https://Trimble.com/R12i)



# Productivity from a whole new angle.

Forget about leveling the pole and concentrate on the job instead.

## Trimble TIP Technology

Survey faster than ever before with Inertial Measurement Unit (IMU) based tilt compensation, which helps you quickly and accurately stake out and measure points without leveling the pole.

- Start surveying immediately with calibration-free tilt compensation technology that is immune to magnetic interference
- Capture points in hazardous locations such as the edge of an open excavation or on roadways without getting in harm's way.
- Have total confidence in your system with built-in automatic integrity monitoring, which detects and alerts the user of IMU anomalies in real-time.
- Quickly and easily transition to GNSS-only operation as job requirements dictate.
- Easily capture those hard-to-access building and property corner shots or utility inverts under manhole covers.
- Effectively work in challenging GNSS environments with Trimble ProPoint GNSS technology, even with tilt compensation enabled.
- Streamline your workflow with on-screen stakeout instructions that guide the pole tip directly to the design point without repeated adjusting and re-leveling.
- Visualize your 3D data in real world context and true-to-life scale with the augmented reality capabilities of Trimble SiteVision™ on your Trimble TSC7 controller.



## The R12i also features...

- Trimble ProPoint GNSS technology  
The Trimble ProPoint GNSS engine provides at least 30 percent<sup>†</sup> improved performance in challenging GNSS environments\*. Flexible signal management enables the use of all available GNSS constellations and signals, resulting in higher satellite availability.
- Trimble xFill® technology  
Reduce downtime in the field with continuous RTK coverage during correction outages from an RTK base station or VRS network.
- Trimble 360 technology  
Our powerful 672-channel solution with Trimble 360 technology delivers the most advanced satellite tracking of all constellations and provides improved protection from interference and spoofed signals.
- CenterPoint® RTX correction service  
Obtain RTK level accuracy anywhere without an RTK base station or VRS network by using CenterPoint RTX corrections via satellite or internet.

<sup>†</sup> In head-to-head testing with the Trimble R10-2 in challenging GNSS environments such as near and among trees, and built environments, the Trimble R12 receiver performed at least 30 percent better across a variety of factors, including time to achieve survey precision levels, position accuracy and measurement reliability.

\* Challenging GNSS environments are locations where the receiver has sufficient satellite availability to achieve minimum accuracy requirements, but where the signal may be partly obstructed by and/or reflected off of trees, buildings, and other objects. Actual results may vary based on user's geographic location and atmospheric activity, scintillation levels, GNSS constellation health and availability, and level of multipath and signal occlusion.

