



Trimble® Ri

Built for Construction Layout

Introducing Trimble's most scalable, accurate, and automated robotic instrument.

Ready for a real game-changer in layout solutions? **Meet the Trimble® Ri.**

Equipped with extended layout capabilities, the Trimble Ri provides a focusable laser, long range EDM, and enhanced target tracking to make your jobs easier and more accurate than ever. Control and automate workflows leveraging Trimble FieldLink software on a tablet or take your work into the world of mixed reality by incorporating FieldLink MR with the Trimble XR10 with Hololens 2.

With the new and enhanced Trimble VISION technology integrated digital camera system, the Ri can be controlled from anywhere on the jobsite and is optimized for easy target detection, data collection, and point layout. Long-range, dual-band Wi-Fi enables seamlessly connected work in areas that were challenging in the past. And a new self-calibration feature performs automatic calibrations as required and guarantees accuracy.

Even with all these incredible features, it's simple to set up and use right out of the box. For reliability, accuracy, convenience, and ease of use, nothing beats the future-proof Trimble Ri.



Benefits

Predictable and Low-Cost Entry:

- Frees up capital for other business expenses/ investments
- Maintenance and warranty are included
- Future upgrades to latest hardware technology included
- Easy to own a fleet of units
- Faster return on investment

Level compensator and self-calibration:

- Easy to setup, no need to level unit
- Built-in level detection and monitoring
- Stays level in difficult conditions
- The Ri self-calibrates and produces on-demand calibration reports

Auto-focusing red laser and improved EDM:

- More precise laser layout
- Best-in-class high visible beam/dot laser
- Best-in-class measuring range

Improved Trimble Vision (built-in digital cameras):

- Improved productivity and uptime: real-time video stream from instrument
- Multi-camera zoom levels for sighting targets short or long range
- Improved target search functionality
- Capture high-quality photos for reports in FieldLink

Advanced Smart Tracking:

- Best-in-class prism tracking
- Reduce false tracking of unwanted objects (safety vest, cars, etc.)

Upgradeable:

- Upgrade/Downgrade/Start/Stop instrument functionality to meet your requirements
- The Trimble Ri can be configured and optimized for the job at hand, whether it's MEP, concrete, steel, or general construction

Wi-Fi connection:

- Optimized for use with FieldLink MR and the Trimble XR10 with Hololens 2
- Robust connectivity – maximize productivity and uptime
- Connect multiple external sensors (Spot, Trimble XR10 with Hololens 2, or even a jobsite layout printer)
- Dual band (2.4 and 5GHz), more stable connection and long range
- No need for clunky Bluetooth or radio modules

Purpose built for contractors and trades:

- Minimal training required
- Auto-stationing
- Repeatability and consistency among all trades on site using the same control, which eliminates errors and rework

Project delivery and coordination:

- Deliver projects on time with collaboration from other departments, trades and stakeholders through Trimble Connect and Trimble FieldLink
- Ability to track site progress
- Use Trimble FieldLink software for both scanning and layout. Upgrade to scale the business job to job, site to site



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