



Trimble R750 MON

MONITORING GNSS RECEIVER

Automated Movement Detection With Confidence



The **Trimble® R750 MON Monitoring GNSS receiver** incorporates the latest industry-leading positioning technology from Trimble, along with modern communications capabilities, in a rugged form factor that is ready to be deployed on automated monitoring projects. Convenient communication features, such as an integrated 4G LTE modem, allow the receiver to work seamlessly with Trimble 4D Control™ software to create real-time analysis, reporting, and alarms for movement detection with confidence.



Trimble R750 MON Monitoring GNSS Receiver

AUTOMATED MOVEMENT DETECTION WITH CONFIDENCE

BENEFITS:

- ▶ **Modern:** Use the most advanced signals from all GNSS constellations with the latest Trimble GNSS hardware and real-time positioning technology.
- ▶ **Reliable:** Easily connect and send measurements to Trimble 4D Control software for real-time or post-processing.
- ▶ **Automated:** Generate automated analysis, reports, and alarms providing awareness to all stakeholders of any movements on site.

APPLICATION BENEFITS

- ▶ **Landslide and Natural Hazard Monitoring:** High frequency and accuracy GNSS receivers enable daily monitoring of movements with high precision, which is particularly important for the analysis of slow-moving landslides. Multiple GNSS processing capabilities of T4D provide in-depth insights into movement trends, both short and long-term.
- ▶ **Dams:** Large scale infrastructure such as dams leverage precise GNSS monitoring from the headwall to the downstream facilities to capture trends between environmental changes and structural movement.
- ▶ **Mining:** Open-pit mining operations cover large areas requiring detailed monitoring of high walls and stability of mine structures. GNSS plays a key role in capturing accurate positions for reference measurements, especially useful in areas where total stations are deployed in the area of movement.



POWERED BY THE LATEST INDUSTRY-LEADING TRIMBLE GNSS POSITIONING TECHNOLOGY

- ▶ **Trimble Maxwell™ 7 GNSS ASIC:** Tracks the latest signals from all GNSS constellations with improved EVEREST™ Plus multipath mitigation, interference detection, and protection against GNSS spoofing.
- ▶ **Trimble ProPoint™ Technology:** Constellation-agnostic, robust positioning engine that enables greater reliability and productivity for rover applications, particularly in challenging GNSS environments.
- ▶ **Trimble CenterPoint® RTX:** Delivers RTK level precision anywhere in the world without the use of a local base station or VRS network.



FEATURES

- ▶ **Connectivity:** Integrated 2.4 GHz Wi-Fi, Bluetooth®, worldwide 4G LTE modules, and an external ethernet port to handle any project deployment requirements.
- ▶ **Reliability:** External AC power supply and integrated 6700 mAh Li-ion battery for backup when main power is interrupted.
- ▶ **Flexibility:** Collect accurate positions up to 50 Hz frequency and stream into T4D monitoring software in real-time.
- ▶ **Durability:** IP67 water and dust protection, designed to handle prolonged exposure to weather and elements.
- ▶ **Simplicity:** Convenient connection to the built-in Wi-Fi access point via a smartphone or tablet.

To learn more, visit:

monitoring.trimble.com/products-and-solutions/r750-mon-monitoring-gnss-receiver

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