

New Trimble GNSS Reference Sensor

Trimble (CA, USA)) has introduced an innovative Global Navigation Satellite System (GNSS) reference sensor for infrastructure and network applications - the Trimble NetR3 GNSS reference sensor. Designed to seamlessly integrate into any Trimble VRS (Virtual Reference Station) network or other infrastructure application, the Trimble NetR3 offers a new option for tracking and streaming data.

Using Trimble's R-Track technology, the Trimble NetR3 GNSS reference sensor streams data easily and conveniently to a variety of Trimble infrastructure software packages running in a network operations center. Instead of storing collected data internally like a continuously operating reference station (CORS), the Trimble NetR3 takes advantage of Trimble software storage capabilities, eliminating the need for onboard memory. The result is a highly affordable, reliable alternative for use in applications that do not require all of the functionality of a CORS. In addition, the Trimble NetR3 is designed to effortlessly interface with Trimble's infrastructure software for a complete solution. It is also customizable through optional upgrades that offer enhanced functionality.

Powerful yet cost effective, the Trimble NetR3 GNSS reference sensor provides quality results and is ideal for a wide range of infrastructure applications such as high-accuracy positioning as part of a VRS network, support for differential global positioning system (DGPS) MSK beacons, and integrity monitoring of networks and physical infrastructure such as bridges, dams and mines.

In addition, its competitive price point makes the Trimble NetR3 an ideal option for expanding, densifying or modernizing an existing network, and implementing Sparse GLONASS capabilities, a unique Trimble technology that provides dual-constellation, fully-modeled real-time kinematic (RTK) data when widely spaced GLONASS-capable Trimble reference stations are implemented in a network comprised mainly of GPS-only receivers. The Trimble NetR3 supports the modernised GPS L2C and GLONASS L1/L2 signals with an option to add L5 support as it becomes available.

Rugged and compact for optimal field use, the Trimble NetR3 reference sensor's power consumption is low with an onboard battery for increased reliability and an interactive front panel display that allows for quick field setup and configuration.