

EPOCH 50 GNSS Receiver



Day after day, rugged and reliable



RUGGED
RELIABLE
PRODUCTIVE



EPOCH 50



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Spectra Precision® EPOCH® 50 GNSS, Survey Pro, and Survey Office make a complete, integrated system for precision fieldwork including cadastral, control, location, and construction stakeout.

Multi-Constellation GNSS Support

The Spectra Precision EPOCH 50 GNSS system, with its 220 channels, makes effective use of the GPS L1/L2/L2C/L5, GLONASS L1/L2 and BeiDou B1/B2 signals for outstanding satellite coverage and precise positioning. The EPOCH 50 GNSS receiver and antenna use proven technologies to provide both an extremely stable phase center and the tracking of the new stronger L2C and L5 signals. The overall combination of these new signals, multi-constellation support, and receiver processing power provides consistent accuracy and confidence in results.





Integrated transmit/ receive UHF radio

The EPOCH 50 GNSS receiver has an internal Transmit and Receive radio modem so that any receiver may be used as a base or rover. Use the internal radio on a construction site for a quick and easy setup. Plug in an external battery for all-day operations. The EPOCH 50 GNSS also supports external radio and cellular modems for added flexibility and range. All receivers include Bluetooth® capability to communicate cable free with your choice of world class Spectra Precision data collectors.

Proven Technology

Designed with greater than 99.9% reliability initializations, the EPOCH 50 GNSS provides fast, high quality results in all supported survey modes including RTK, Postprocessed Kinematic and Static. Consistent accurate results, quality construction, and affordable pricing make the EPOCH 50 GNSS the ideal choice for a productive business.

Survey Pro Field Software

The key to getting the most out of your crews and your equipment is your field software. Spectra Precision Survey Pro™ field software is specifically tailored for your new EPOCH 50 GNSS, as well as all other Spectra Precision survey equipment. Choose from three different data collectors, add the level of Survey Pro you need, and go to work. Survey Pro is easy to use, yet it still unlocks the full power of EPOCH 50 GNSS so you can concentrate on getting the work done.

Manage Your Data

Spectra Precision Survey Office software provides a complete office solution for postprocessing GNSS data and adjusting terrestrial survey data. Download or import field and reference data from a variety of sources including the entire family of EPOCH GNSS receivers, Survey Pro and permanent reference stations via the internet. Export your processed and completed results directly back to the field or design software packages using a variety of file formats.

Network Rover Capable

The EPOCH 50 GNSS rover solution supports the numerous real time GNSS reference networks now installed all over the world. A real time network improves productivity while at the same time reduces costs, by eliminating the need to set up a base station. The networking process supported by Survey Pro field software and GSM/GPRS capable Spectra Precision data collectors ensures the best quality, location independent correction data.

Designed for Maximum Performance

The EPOCH 50 GNSS with Survey Pro provides field crews with the tools and capabilities to get the job done. With maximum stability, precision, quality and easy to use work flows, the EPOCH 50 GNSS is packed full of proven technologies that you can rely on day to day. Pair it with the most advanced and rugged field data collectors from Spectra Precision to provide maximum productivity and reliability for your everyday fieldwork.

Features

- 220 Channels for Multi-Constellation GNSS support
- Integrated transmit/receive UHF radio
- Compact and lightweight design
- RTK, Postprocessed Kinematic and Static
- Network RTK positioning
- Spectra Precision Survey Pro application field software
- Support for all GNSS data with Spectra Precision Survey Office software



EPOCH 50 GNSS system is best described as Simply Reliable. The lightweight, ergonomic and cable-free system combines the ease of use of a rugged integrated GNSS receiver with the popular Survey Pro field software and a choice of reliable of Spectra Precision data collectors.

