

EPOCH™ 10 L1 GPS SYSTEM

EPOCH™



RUGGED • RELIABLE • USER-FRIENDLY

A UNIQUE PRODUCT THAT WORKS AS HARD AS YOU DO

For the first time, the EPOCH 10 system integrates a survey-grade receiver with the Spectra Precision® Recon® Data Collector, a proven, ultra-rugged field solution designed especially for tough surveying conditions. The compact and lightweight EPOCH 10 system thus handles drops, extreme temperatures, dirt, and water with ease, making it one of the toughest L1 GPS solutions available. It also spares you the expense of a separate GPS receiver.

The Spectra Precision Recon Data Collector offers many other features to make your L1 GPS workflow easy and efficient: a large color touch-screen, expandable memory, and USB support to name a few.

MAXIMUM SURVEYING ACCURACY FOR L1 GPS

The EPOCH 10 GPS system contains highly accurate GPS technology, so you can have complete confidence in the accuracy and quality of your results. Simply set up two or more systems to quickly establish a survey network and then log your data. Download the data to your PC for easy baseline processing.

The EPOCH 10 offers the performance and reliability of an advanced system, while remaining extremely affordable to own and operate.

POWERFUL, EASY-TO-USE SOFTWARE IN THE FIELD AND OFFICE

The EPOCH 10 system runs the Microsoft Windows Mobile operating system, which is the worldwide industry standard for PDAs. This means you can run additional specialized Pocket PC programs, including Pocket Word or Excel. The flexible EPOCH 10 system is suitable for multiple uses, allowing you to manage much more data than ever before.

Users have a minimal learning curve on the operating system and field software because of the familiar options, menus, and terminology. Customers using GPS for surveying for the first time can achieve optimal productivity very quickly.

INTEGRATED SURVEY-GRADE GPS RECEIVER AND ADVANCED DATA COLLECTOR

A unique, integrated solution, the Data Collector is compact, lightweight and convenient. It's also economical: no additional receiver purchase is required.

GPS RECEIVER TECHNOLOGY

Spectra Precision GPS technology for L1 GPS delivers superior satellite tracking, faster measuring, optimal precision, and lower power usage. Solve all your high-precision control needs with accurate baseline measurements.

ROBUST, LOW-MULTIPATH EPOCH GPS ANTENNA

The EPOCH L1 GPS antenna, in conjunction with the GPS receiver, resists unwanted signal interference or "multipath," which can cause inaccurate measurements. Multipath is caused by signals being reflected from surfaces such as the ground, surrounding objects, or buildings.

L1 GPS SURVEYING SOLUTION

Every part of the EPOCH 10 system, from the hardware to the software, is designed to work together. Collect data in the field then seamlessly transfer your job file to the Spectra Precision Survey Office software for processing, adjustments and reporting.



EPOCH™ 10 L1 GPS SYSTEM

A unique, integrated survey-grade L1 GPS receiver and rugged Data Collector solution providing:

- The industry-standard Microsoft® Windows Mobile™ operating system—meeting your needs while allowing you to manage and grow your business
- Robust field performance for tough, everyday surveying conditions
- Spectra Precision GPS technology for reliability, quality and confidence

DELIVERING MAXIMUM PRODUCTIVITY

As a surveyor, you never know what kind of demands your next job will bring ... Be ready for anything with the Spectra Precision® EPOCH™ 10 GPS system. Spectra Precision's EPOCH product line features exceptional speed, accuracy and reliability. Designed to meet the needs of surveyors around the world, the EPOCH 10 GPS system also delivers maximum productivity, precision and affordability.

The EPOCH 10 GPS system is a completely integrated L1 GPS postprocessed solution. It combines an L1 GPS receiver and antenna, rugged handheld data collector, and easy-to-use field and office software. The EPOCH 10 system brings precise sub-centimeter control to your site, establishes new localized control, and allows you to generate your own survey networks. The system operates without line-of-sight between points, and it can operate day or night in any weather, thereby offering much greater productivity than traditional optical traversing techniques.

The field software that controls the EPOCH 10 GPS system makes performing static survey techniques on short to moderate baselines fast and easy.

The software is designed to be extremely user-friendly so users can learn the software and reach maximum productivity in a short time. You can introduce your survey crews to GPS surveying without significant downtime while they master the new techniques.





SPECTRA PRECISION® RECON® DATA COLLECTOR

POWERFUL AND ULTRA-RUGGED

The Spectra Precision Recon Data Collector contains a powerful Intel XScale processor and is specifically designed for tough surveying environments; it's extremely robust, exceeding military specifications for drop, vibration, immersion, and operating temperatures.

FLEXIBLE, MULTI-USE DATA COLLECTOR

On the Windows Mobile operating system, run your choice of specialized Pocket PC programs, including Pocket Word and Excel.

EASY-TO-USE FIELD SOFTWARE

Users can quickly learn to operate the system via familiar options, menus, and commands. Easy-to-use graphical field software aids in the operation of the product and the collection of data in any language.



LARGE COLOR TOUCH-SCREEN

The large color display on the Spectra Precision Recon Data Collector makes viewing data and images easy. Navigating through software via the touch-screen is fast and efficient.

FAST DATA TRANSFER

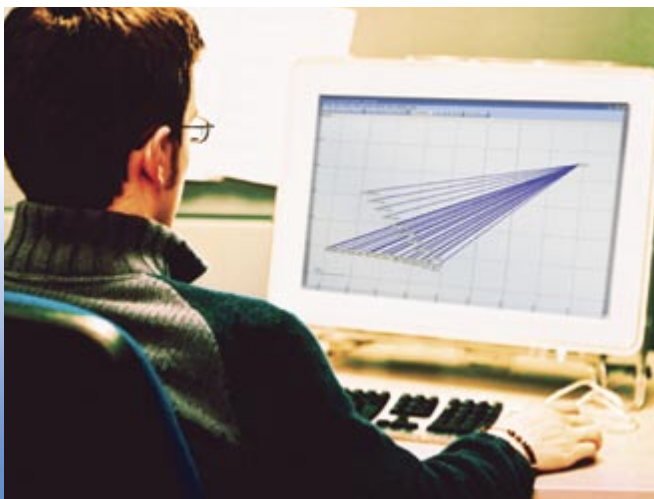
Transfer data to a PC at speeds of more than 1 Mb/sec—ten times faster than the fastest serial port.

EXPANDABLE CF PORTS

Extend the main internal non-volatile onboard storage space via the CompactFlash card slots. The expandable storage allows you to move data between the main memory and the CompactFlash card for backup, or send information back to the office for processing while your field crew maximizes productivity in the field.

OFFICE PROCESSING EFFICIENCY: SPECTRA PRECISION® SURVEY OFFICE

In the office, transfer your field data to the Spectra Precision Survey Office software on your PC to quickly process baselines and generate sub-centimeter results.



Spectra Precision Survey Office also performs data reduction, computation, QA/QC and network adjustment. It even provides tools to both identify and correct field errors. Control data can be exported to the field software for use in the field.

Spectra Precision Survey Office is a sophisticated and exceptionally easy-to-use solution for postprocessing L1 GPS survey data.

It features the following:

- Intuitive display, navigation and selection of data
- Integrated data transfer to and from the Spectra Precision Recon Data Collector
- Import/Export of ASCII data (including custom formats)
- Graphical and command-driven tools to aid in assuring the quality of your project
- A library of global coordinate systems
- Baseline loop closure
- Network adjustment

EPOCH™



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