

EPOCH™ 25 RTK *GPS SYSTEM*

**EPOCH™**



RUGGED • RELIABLE • USER-FRIENDLY

## EPOCH™ 25 RTK GPS SYSTEM

### A COMPLETE L1/L2 GPS SYSTEM PROVIDING:

- Robust field performance for rugged surveying conditions.
- Spectra Precision® GPS technology for accurate and reliable real-time positioning, ideal for topographic surveying and setout.
- Easy-to-use field software performs Real Time Kinematic (RTK) and Static/FastStatic techniques.
- Field software and GPS system provide fast, one-person surveying solutions.

### EXCELLENCE FOR EVERY SITUATION

This multipurpose surveying tool has been designed to meet the everyday needs of surveyors. The EPOCH 25 provides high-quality measurement results in several modes including RTK, FastStatic and Static by using advanced L1/L2 GPS technology.

### UNIQUELY VERSATILE

The unique form factor of the EPOCH 25 GPS results in maximum flexibility. It can be used as a completely integrated system or as a separate system with components to meet the requirements of a variety of applications. The EPOCH 25 system combines an L1/L2 GPS receiver, Epoch L1/L2 GPS antenna, rugged handheld data collector, and easy-to-use field software. Each piece is built tough and reliable to meet the needs of today's busy surveyor.

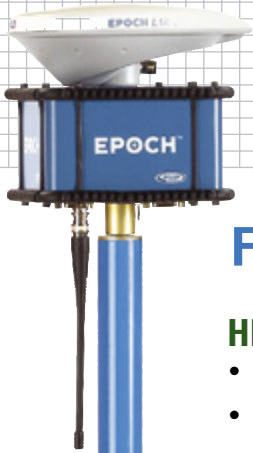
### HIGHLY PRODUCTIVE

The Epoch 25 is a highly productive measurement solution, allowing the user to collect topographic data and stake layout detail. The system operates without line-of-sight between points, and it can operate day or night in any weather, thereby offering much greater productivity over traditional optical surveying techniques.

### EASY TO LEARN AND USE

Easy-to-use field software controls the EPOCH 25 GPS system on the job site. It makes performing survey techniques fast and easy with reliable results. The software is extremely user-friendly, allowing new GPS users to reach maximum productivity in a short time. You and your survey crews can start surveying with GPS without significant downtime for training.





## FEATURES AND BENEFITS

### HIGH-PRECISION GPS RECEIVER

- Superior satellite tracking
- Efficient measuring times
- Optimal precision
- Low power usage

### LOW-MULTIPATH, HIGH-ACCURACY GPS ANTENNA

- The patented technology of the EPOCH 25 system mitigates unwanted signal interference or "multipath." Multipath is a source of error caused by signals being reflected from surfaces such as the ground, surrounding trees and objects or buildings.

### LONG-RANGE RADIO MODEM

- The EPOCH 25 contains the PDLHPB™ radio modem from Pacific Crest, the industry leader in RTK data links. Field-proven, the PDLHPB is the most powerful radio available today. This radio provides long-range broadcast of RTK signals from the base to the rover.

### ULTRA-RUGGED CONTROLLER

- Spectra Precision Recon Data Collector
- Contains powerful Intel XScale processor
- Designed for tough surveying environments
- Exceeds military specifications for drop, vibration, immersion, and operating temperatures
- Features large color touch-screen easily visible even in poor light
- Fast and easy navigation via touch-screen

### MULTI-USE PDA

- Windows Mobile for Pocket PC operating system
- Run your choice of specialized Pocket PC programs, including Pocket Word and Excel

### EASY-TO-USE FIELD SOFTWARE

- New users can quickly learn
- Intuitive options, menus, and commands
- Clear graphics aid in operation and collection of data in any language

### FAST DATA TRANSFER

- Transfer data to a PC at speeds of more than 1 Mb/s—ten times faster than RS232 transfer

### EXPANDABLE MEMORY

- Extend data storage space via the Spectra Precision Recon Data Collector's CompactFlash card slot
- Move data from the main memory to the CompactFlash card for backup
- Send information back to the office for processing while you're still in the field





## A TOTAL L1/L2 GPS SURVEYING SOLUTION

### **RUGGED: TOUGH ENOUGH FOR HARSH CONDITIONS**

The EPOCH 25 system integrates a survey-grade receiver with the popular Spectra Precision® Recon™ Data Collector, a proven, ultra-rugged PDA designed especially for tough surveying conditions. The compact EPOCH 25 GPS receiver and Epoch L1/L2 GPS antenna handles drops, extreme temperatures, dirt, and water with ease, making it one of the toughest L1/L2 GPS solutions available.

### **RELIABLE: PRECISE PERFORMANCE EVERY TIME**

Every part of the EPOCH 25 system, from the hardware to the software, is designed to work together. Collect data in the field, and then seamlessly transfer your job file to the office while taking advantage of the following features and functions:

- GPS technology gives you complete confidence in the precision and quality of your results
- For RTK surveys, simply set up the base unit and survey with as many rovers as you need to maximize your productivity—a perfect solution on even the busiest work sites
- For Static or FastStatic survey applications, simply set up two or more systems simultaneously and log data to quickly establish a survey
- The system's GPS receivers are compact, lightweight and convenient to transport
- The rover integrates an internal power source, radio modem and GPS receiver, reducing the number of cables and parts you need to carry

### **USER-FRIENDLY: FAST AND EASY-TO-USE SOFTWARE**

The EPOCH 25 system runs the Microsoft Windows Mobile for Pocket PC operating system, the worldwide industry standard for PDAs. This means you can run additional specialized Pocket PC programs, including Pocket Word or Excel, making the EPOCH 25 system very flexible and suitable for multiple business uses. You'll have the flexibility to manage much more data than ever before.

Spectra Precision® Field Surveyor software uses simple workflows and quick-to-operate on-screen menus. It features simple buttons to measure, store and navigate to your stakeout design positions and more:

#### **Productivity**

- Increased with the use of feature code libraries
- Utilizes Quick code measurement technique
- Collect more high-quality data than ever before

#### **Field Surveyor Software**

- Provides clear visuals and colorful icons
- Increases efficiency by reducing costly field errors
- Supports background maps
- Supports images such as aerial photos, raster images and DFX line work

#### **Real-time Displays**

- Instantly updated as new information is received
- Allow you to work faster

#### **Flexibility**

- Export job files using flexible JobXML format
- Generate reports in any format using ASCII style sheets



# EPOCH™

## HIGH-PRECISION GPS WITHIN YOUR REACH

An affordable, high-precision GPS solution is at last within your reach. EPOCH™ GPS technology is built to satisfy the rugged requirements encountered every day by surveyors around the world. The EPOCH 25 system puts you in control at the point of measurement.

The EPOCH 25 offers the performance and reliability of an advanced system, at an affordable price. Delivering maximum productivity with survey-grade results, the EPOCH 25 is an easy-to-use RTK, Static or FastStatic system providing a fast and accurate one-person surveying solution.

Customers using GPS for surveying for the first time can achieve optimal productivity very quickly. Spectra Precision's line of EPOCH products provides the ultimate in rugged construction, reliability you can trust and superior ease of use.



- RUGGED
- RELIABLE
- USER-FRIENDLY

**Experience the advantages of the EPOCH 25 system for yourself.  
Contact us today to set up a free consultation for your business.**

SPECTRA PRECISION AUTHORIZED DISTRIBUTION PARTNER

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