EZTag CE™

ISO 9001 Certified

GNSS/GIS MAPPING DATA COLLECTION SOFTWARE

PROFESSIONAL GNSS/GIS SOFTWARE FOR VALUABLE DATA ACQUISITION

EZTag CE is powerful field software that enables efficient data capture and maintenance for your corporate GIS. Coupled with a GNSS receiver, EZTag CE supports high quality GNSS data capture. Both GNSS and GIS quality control are facilitated by multiple filters and GIS pickup lists, entry masks and many validations. Moreover, EZTag CE can fully comply with your database structure. The EZTag CE data dictionary lets you maintain your relational database links both in and out of the field.

EZTag CE provides many plan view features such as map-centric operation with efficient dynamic display of your GNSS data and background maps (vector and raster). Many GIS features are available such as measurements, placing features on background maps and Geo-Tagging of GIS features. If you cannot access the feature, EZTag CE lets you offset positions.

EFFORTLESS POST-PROCESSING COMPANION SOFTWARE

EZTag CE lets you collect real-time differential GNSS data, as well as the information you need to post-process the data. For higher accuracy, the rigorous algorithms of EZSurv automated post-processing software assure the best results for your surveys.

GNSS/GIS DATA COLLECTION SOFTWARE DESIGNED FOR THE PROFESSIONAL GIS COMMUNITY

- **User-friendly GNSS/GIS data collection software**
- **Multiple GNSS settings for quality control positioning**
- **Vector and raster map display; automatically pan and rotate according to your direction of travel**
- **Only field software that supports a relational database structure through a data dictionary**
- **Fully compatible with EZSurv post-processing software**
- **Runs on multiple platforms (Windows Mobile, Windows XP and Windows Vista)**
- **Compatible with many GNSS data formats**

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EZ Tag CE™

Features

KEY FEATURES

Collect point, line and polygon features
Collect features along with attribute data
Multiple GNSS receiver configurations and controls
Multiple GIS functions (distance and area measurements, edit, place/draw, etc.)
Real-time display of features, vector maps and raster maps
Dynamic background display (ideal for navigation)
Support for vector ESRI ShapeFiles
Support for compressed ECW raster files (allowing fast dynamic display of raster files)
Multiple views such as Plan view, Navigation view, Sky Plot view, etc.
Layer manager (background maps and settings) and feature manager (sort and filter features)
Mission planning utility module
Data dictionary utilities to create your own data structure
Support for relational (complex) GIS data structures
12 map projections and 62 predefined datums
Status bar lets users manage satellite status, power and memory
Available languages: English, French, Portuguese and Spanish

GNSS ACCURACY

Real-time accuracy depends on GNSS correction used (SBAS/RTCM/RTK)
Improved accuracy with EZSurv post-processing software

EZSURV POST-PROCESSED ACCURACY

RECEIVER	KINEMATIC	STATIC	OTF
Single frequency	sub-meter[1], sub-foot[2]	centimeter[3]	centimeter[4]
Dual frequency	N/A	centimeter[5]	centimeter[6]

1. Horizontal accuracy (HRMS). Requires 5-10 minutes of continuous tracking with at least 5 satellites and a PDOP better than 6. Multipath and ionospheric effects can affect final accuracy. Base station separation may affect accuracy by about 5 ppm (depending on the quality of the base station data).
2. Horizontal accuracy (HRMS). Requires 15-20 minutes of continuous tracking with at least 5 satellites and a PDOP better than 6. Multipath and ionospheric effects can affect final accuracy. Base station separation may affect accuracy by about 5ppm (depending on the quality of the base station data).
3. Horizontal baseline accuracy (HRMS). Requires 15-30 minutes of good data on a minimum of 4 satellites and a PDOP better than 6. Multipath and ionospheric effects can severely affect final accuracy. This horizontal accuracy usually translates into 1cm +/- 2 ppm.
4. Horizontal accuracy (HRMS). Requires 30 minutes of continuous tracking with at least 5 satellites and a PDOP better than 6. Base station must be within 10 km. Multipath and ionospheric effects can affect this accuracy. This horizontal accuracy usually translates into 2 cm +/- 2 ppm.
5. Static results require only 5-10 minutes of data to achieve centimeter accuracy. This horizontal accuracy usually translates into 1cm +/- 1 ppm (with good dual frequency data).
6. OTF requires approximately 30 seconds of continuous tracking with at least 5 satellites and a PDOP better than 6. Multipath and ionospheric effects can affect final accuracy. This horizontal accuracy usually translates into 2 cm +/- 2 ppm.

SUPPORTED GNSS DATA FORMATS

NMEA protocol	Any GNSS receivers
Hemisphere GNSS	All products
Navcom	All products
Novatel	All products
NVS Technologies AG	NV08C
Septentrio	All products
SiRF	All products
Ublox	TIM-LH, LEA-4T, LEA-5T, LEA-6T

RECOMMENDED CONFIGURATION

EZTag CE runs on a Windows Mobile powered Pocket PC. EZTag CE also runs on a personal computer, laptop or Tablet PC under Microsoft Windows.

Minimal configuration of desktop computer used to install EZTag CE:

Desktop or laptop running Microsoft Windows 2000, Microsoft Windows XP or VISTA
Microsoft ActiveSync 3.8 or better
50 megabytes of free storage space on disk (additional space required for the installation files)

Minimal configuration to run EZTag CE on a mobile device:

Pocket PC device running Windows Mobile 2003 (or SE) or Windows Mobile 5.0 and 6.0
Intel ARM compatible processor running at 300 MHz or higher
10 megabytes of free space on disk (additional space is required for your data)
128 megabytes (256 megabytes recommended) of volatile memory (RAM)
Serial communication port (Bluetooth supporting 57600 baud) for GNSS connection

EZSURV GNSS POST-PROCESSING COMPANION SOFTWARE

Automation	Scan Internet for Base Station network, automatic batch processing
GNSS Formats	RINEX, Altus, CHC, Geneq, Hemisphere GPS, Javad, Kolida, NavCom, Novatel, Pentax, Septentrio, SiRF, South, Stonex, TechGeo, Ublox, Unistrong and others
QA Tools	Loop closure, configurable processing parameters, residual analysis, satellite time span rejection, network adjustment, mission planning, etc.
Base Network	ARGN, NRCan, CORS, CDDIS, Local and many others (open architecture to add other networks)
Versions	L1/L2 (dual frequency full version), L1 (L1 cm grade),Lite (sub-meter/sub-foot grade)

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