

CHCNAV

CGO 2

**GNSS POST-PROCESSING
SOFTWARE**



**SURVEY
& ENGINEERING**

MANAGE GNSS DATA POWERFUL AND EASY PROCESSING MODULES

CHCNAV Geomatics Office Software (CGO2) is a powerful office software to edit, process and analyze GNSS raw data to obtain high accuracy positions.

Designed as a fully integrated platform to make a link between your field survey and GNSS post processing requirements, CGO2 is an advanced yet easy-to-use GNSS data post-processing solution for geodetic, surveying, UAV trajectory and ground control points (GCPs) and road construction applications.

PROCESS MASSIVE FIELDWORK DATA

Integrate GNSS, RTK, ROAD and UAV modules

CGO2 is an all-in-one software to process GNSS data with advanced static, fast static, PPK and PPP algorithms, edit surveyed features and use PPK post-processing results to correct field coordinates. With CGO2 user can check and input designed road elements for road stakeout, get corrected UAV track coordinates by using both RTK and PPK algorithms, and export corrected UAV track coordinates of each capture. In CGO2 software, user can operate GNSS data analysis and export reports (station, baseline, adjustment, PPK, GCPs and loop closure). Meanwhile, user can choose export report in multiple formats: KML, SHP, DXF, HTML, CSV, PDF, RAW, ASC, TXT format reports.

MORE TOOLS FOR EASIER

Comprehensive geodetic utilities Toolset

More than post-processing, CGO2 offers a large library of geodetic tools including coordinates and RINEX converters, TIFF map compressor (SIT), angle, distance and volume calculator, GNSS antenna manager and GNSS observation files splitter and merger.

DELIVER HIGH ACCURACY GEODETIC POSITIONS

Embed latest algorithms for ultra-fast and reliable data processing

Just with few clicks, GPS, GLONASS, BeiDou, Galileo and QZSS static or dynamic GNSS raw data can be processed combining multiple observation file formats (RINEX, CRINEX, HCN, HRC, NOV, BD9, UBX, RTCM, SP3, etc...), predefined coordinate systems and various manufacturer antenna types. The intuitive post-processing workflow integrates stringent quality check, selectable online map (OSM, Bing, Google, WMS and WMTS) and download of CORS reference GNSS data.

INTUITIVE WORKFLOW FOR FASTER PROCESS

Short learning curve and easy deployment

The CGO2 user interface layout and modules are customizable to have GGO2 adopting your preferred working habits. GNSS data processing is made easy throughout the entire process and fully documented in the built-in electronic user manual.



**MORE THAN GNSS
POST-PROCESSING**



ADVANCED GNSS PROCESSING ALGORITHMS

SPECIFICATIONS

Features

Intuitive workflow
Intuitive system menu
Embedded e-manual
Standard grid/geoid file editor
Multiple import and export formats
Multiple unit/formats
PP, PPK, PPP
Support RTK project
Post processing UAV PPK
Post processing USV PPK
Selectable online map
Rinex convert
Data quality check
Road editor
Antenna manager
Coordinate system manager
Ephemeris download
Powerful COGO tools (earthwork, inverse,...)
Cloud service

System Recommendations

| | |
|------------------|---|
| Operating system | Microsoft Windows 7, 8, 10 (32-bit and 64-bit) |
| Runtime library | .Net Framework 4.0 VS2008 / VS2012 / VS2015 |

Hardware

| | |
|---------------|---|
| Processor | Intel® Core™ i3 (Minimum) Intel® Core™ i5 (Recommended) |
| RAM | 4 GB (Minimum) 8 GB (Recommended) |
| Hard disk | 1 GB (Minimum) 1 TB (Recommended) |
| Graphics card | Direct X9 compatible Integrated graphics (Minimum) 2 GB discrete graphics (Recommended) |

Software License

USB dongle driver
Software registration code

Supported Language

English
Russian
Chinese



*All specifications are subject to change without notice.

AUTHORIZED DEALER

 **WORLD GEO**
survey

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