CHCNAV

CGO 2
GNSS POST-PROCESSING SOFTWARE

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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 trajectography 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.

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.

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.

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.

ADVANCED GNSS
PROCESSING ALGORITHMS

SPECIFICATIONS

Features
Intuitive workflow
Intuitive system menu
Embedded e-manual
Standard grid/geoid file editor
Muitiple 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
Ephemerise 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

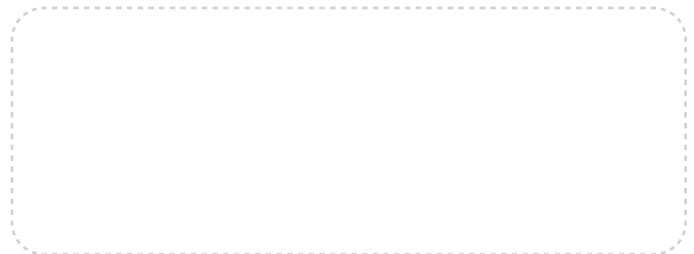| Hardware	
Processor	Intel® Core™ i3 (Minimum) Intel® Core™ i5 (Recommended)
RAM	4 GB (Minimum) 8 GB (Recommended)
Hard disk	1 GB (Minimum) 1 TB (Recommended)
Graphics card	Direct X9 compatible Integrated graphics (Minimum) 2 GB discrete graphics (Recommended)

Software License
USB dongle driver
Software registration code

Supported Language
English
Russian
Chinese

*All specifications are subject to change without notice.

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