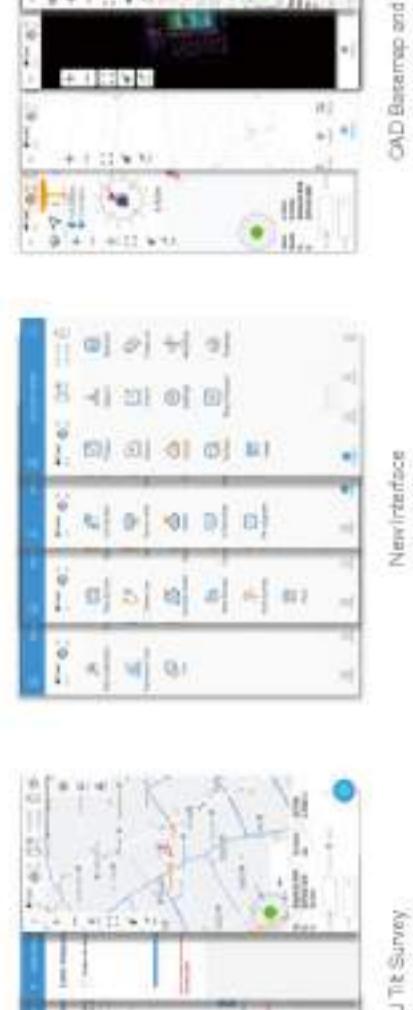


Software

Survey Master

Compatible with most of Android devices
Easier survey workflow via a Wizard function
Support up to 60° IMU tilt compensation
Support all survey modes, including Static, PPK and RTK
Support Surface Stake, Mapping Survey and etc. to serve various survey tasks
Support CAD import and directly use for stake out operations
Support Convert function from ComNavBinary raw file to RINEX



N3 GNSS Receiver

Signal Tracking

Channels 1198
GPS L1 C/A, L2C, L2P, L5
BeiDou B1I, B2I, B3I
BeiDou Global Signal B1C, B2a, B2b
GLONASS L1 C/A, L1I, L2 C/A, L2P
Galileo E1, E5a, E5b, E6, E5A+BOC
QZSS L1C, L2, L5, L6, L7, L8
IRNSS L5
SBAS WAAS, EGNS, MSAS, GAGAN, SOCOM
L-Band

Data Format

Correction data (R)
RTCM 2. X, 3.X, DMR (GPS only), CMR+ (GPS only)
Position data output:
- ASCII NMEA-0183, GSV, RMC, HDT, VHD, GGA, GSA, ZDA, VTG,
GST, PTN, PTK, PTNL, AVN, PTNL, GCK
- ComNav Binary update to 20 Hz

Physical

Size W x H: $\pm 15.5 \text{ cm} \times 7.5 \text{ cm}$
Weight: 1.2 Kg with two batteries

Environmental

Operating temperature: -40 °C to +55 °C (-40 °F to 149 °F)
Storage temperature: -40 °C to +60 °C (-40 °F to 185 °F)

Humidity: 100% non-condensing

Watertight and dustproof: IP67, protected from temporary immersion
to depth of 1 m

Shock: Designed to survive 8 m drop onto concrete

Electrical and Memory

Input voltage: 5-28 VDC

Power consumption: 1.7 W
Li-Ion battery capacity: 2 x 3400 mAh, 7.4 V, Up to 24 hours typically

Software

Survey Master Android-based data collection software
ComNav Survey Field/Gerius field data collection software (optional)
MicroSurvey Field/Gerius field data collection software (optional)

SinoGNSS Compass solution software

Communications

1 Serial port (7 pin Lemo)
- Baud rates up to 921,600 bps
Enhanced UHF modem: XTRK with UHF frequency range from 4.1 to 4.8 GHz
- Transmit power: 0.5-2 W adjustable
- Range: 15 km
4G modem
- LTE-FDD: B1/B2/B3/B5/B7/B6/B20/B13/B18/B19/B30/B25/B28

Position data output rates: 1 Hz, 2 Hz, 5 Hz, 10 Hz, 20 Hz
5 LEDs (indicating Satellites Tracking, RTK Corrections Data, GPS Status and Power)
2 Function buttons for Power and Status Data Record

Bluetooth® V4.0 protocol compatible with Windows OS and Android OS
Calibration-free IMU integrated for Tilt Survey
Up to 100 ft with 2.5 cm accuracy

SinoGNSS
By ComNav Technology, Ltd.

GNSS Surveying System
Ver 2023.09.03



N3 IMU RTK GNSS RECEIVER

Reliable IMU and Enhanced UHF bring you a
brand new high-efficiency experience! *

*From our field testing statistics, with the IMU will increasing over 20% surveying productivity.

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Post-processing Software

SinoGNSS Compass solution software

Provide the complete GPS/GLONASS/BeiDou/GALILEO post-processing solution
Support GNSS observation data in RINEX and ComNav Raw Binary Data formats

Support different post-processing in static and kinematic modes
Output analysis reports in various formats (web format, DXF, TXT, KML)

Supports DJI's P4R data format. Processing results can be imported into photogrammetry
and 3D modeling software directly



I R60 Data Collector

Features



N3 IMU RTK

