

LT30CA



KEY FEATURES

- *Compact handheld receiver with 50cm high accuracy*
- *GPS/BeiDou module*
- *Android 4.0.3 operation system*
- *3.7" VGA sunlight readable screen*
- *Built-in 3G/GPRS phone and data transmission*
- *Bluetooth and WLAN connectivity*
- *5.0 mega pixel camera with auto focus*

Competitive and Reliable

LT30CA is a cost-effective professional GNSS handheld receiver with DGPS/RTK enabled high-sensitivity GPS+BeiDou. Designed for efficient field work in the most demanding conditions, LT30CA features 50cm accuracy, sharp VGA sunlight readable screen and up to 8 hours battery life.

Versatile Data Collector

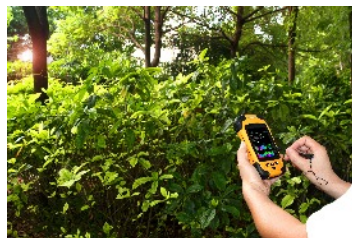
Extremely affordable, LT30CA is the ideal rugged field computer for a large range of applications from GIS data collection and maintenance, agriculture field measurement, environmental control...

Connectivity

With an integrated 3G/GPRS voice and data modem, LT30CA offers advanced methods needed to access the Internet and exchange project files with your office. Easily sharing data with various kinds of devices.

Easy software integration

Compatible with field data collection software running on Android operation system, LT30CA is the solution for an easy-to-deploy GNSS handheld leaving you freedom of choice.



Technical Specifications

GNSS characteristics

- 167-channel
- GPS/BeiDou L1, CA code
- SBAS (WAAS, MSAS, QZSS and EGNOS) support
- Tracking sensitivity: -159 dBm
- Update Rate: 1Hz
- Time to first fix
 - Cold Start < 29 s
 - Warm Start < 28 s
 - Hot Start < 2 s
- MMCX External Antenna Connector

Performance specifications ⁽¹⁾

- Stand alone: 2 m RMS
- With DGPS: 1.5 m RMS
- L1 RTK: 50 cm RMS
20 cm RMS (with external antenna)
- Post-processing: 5-10 cm RMS

System configuration

- Android 4.0.3 operating systems
- 3.7" VGA sunlight readable screen
- 1 GHz processor with Graphics Accelerator
- Internal memory: 512 MB internal flash storage
- MicroSD/MicroSDHC expansion slot up to 32 GB
- 5 mega pixel camera with auto focus

Communications

- 3G/GPRS (850/900/1800/1900/2100 MHz) phone and data transmission
- Bluetooth V4.0 Class 3
- 802.11 b/g wireless LAN
- Mini-USB client
- Optional RS232 9-pin serial
- Built-in microphone and speaker
- NMEA 0183 protocol support
- Raw Data

Physical

- Size (LxWxH): 158 x 85 x 25 mm (6.3 x 3.4 x 1.2 in)
- Weight: 340 g with battery (12 oz)
- Operating Temperature: -20 °C to +60 °C (-4°F to 140°F)
- Storage Temperature: -30 °C to +70°C (-22°F to 158°F)
- Dust proof and waterproof as per IP65 standard
- Shock: withstand 1.2 meter / 4 foot drop

Electrical

- Li-ion battery capacity: 3000 mAh
- Battery life: up to 8 hours operating time

Package content

- LT30CA GNSS handheld receiver
- Li-Ion battery
- 8 GB Micro SD card
- USB data cable
- AC power adapter
- Stylus
- Hand strap

Accessories (optional)

- Vehicle power adapter
- RS232 9-pin Serial Adapter
- External GNSS antenna
- External battery charger
- Carry case
- Range pole bracket

⁽¹⁾ Accuracy and reliability specifications may be affected by multi path, satellite geometry and atmospheric conditions. Performances assume minimum of 5 satellites, follow up of recommended general GPS practices. Specifications are subject to change without notice.

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