LT30TM

KEY FEATURES

- *Professional GPS/GLONASS engine for outdoor conditions*
- *Windows Mobile 6.1/6.5 operation system*
- *SBAS, DGPS, PPK*
- *Built-in GPRS phone and data transmission*
- *Bluetooth and WLAN connectivity*
- *5.0 megapixel camera with autofocus*

LT30TM GPS/GIS Handheld Terminal
Professional Surveying & Mapping Solutions

LT30TM is a GIS handheld terminal with SBAS&DGPS enabled high-sensitivity GPS+GLONASS engine. Designed for efficient field work in the most demanding conditions, LT30TM features GPS+GLONASS capability, post-processing for better accuracy, VGA sunlight readable screen and up to 10 hours battery life.

Versatile

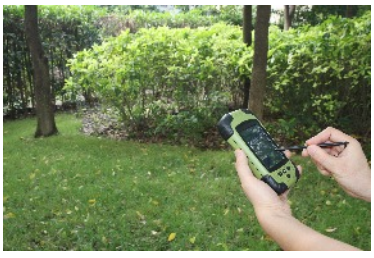
The versatile functionality of LT30TM makes it meet the demands in various fields, like municipal projects, logistics and forestry. It is an ideal field computer with an affordable price for a large range of applications from GIS data collection and maintenance, agriculture field measurement, environmental control…

Connectivity

With an integrated voice and data modem, LT30TM offers advanced methods needed to access the Internet and exchange project files with your office. Wireless connection to external device such as a laser range finder or RTK receiver is simple with LT30TM's Bluetooth and Wi-Fi capability.

Compatible

Compatible with field data collection software running on Windows Mobile 6.1/6.5, LT30TM is the solution for an easy-to-deploy GNSS handheld.



Technical Specifications

GNSS characteristics

- 72 - channel signal tracking
- GPS: L1; GLONASS: L1;
- SBAS (QZSS, WAAS, MSAS, EGNOS and GAGAN) support
- Tracking sensitivity: -167 dBm
- Update Rate: 5 Hz
- Time to first fix
  - Cold Start < 26 s
  - Hot Start < 1.5 s
- Advanced Multi-path Mitigation Technology

Performance specifications [1]

- Stand alone: 2.5 m RMS
- With SBAS: 2 m RMS
- DGPS: 1.5 m RMS
- Post-processed: 20 cm RMS

System configuration

- Windows Mobile 6.1/6.5 operating systems
- 3.7” VGA sunlight readable screen
- 624 MHz processor with Graphics Accelerator
- Internal memory: 512 MB internal flash storage
- MicroSD/MicroSDHC expension slot up to 16 GB
- 5.0 mega pixel camera with auto focus
- Multi-language supported

Communications

- GSM/GPRS (850/900/1800/1900 MHz) phone and data transmission
- Bluetooth V2.0 Class 2
- 802.11 b/g wireless LAN
- Mini-USB client
- Optional RS232 9-pin serial
- Built-in microphone and speaker
- RTCM 2.3, NMEA 0183 protocol support

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 10 hours with GPS and backlight

Package content

- LT30TM 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 patch 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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