

# LT35

## Survey & Engineering

- Rugged and professional Windows Mobile Data Collector
- 3.7" sunlight readable VGA screen
- Built-in 3G network modem, Bluetooth and WiFi connectivity
- 5 megapixel camera with auto-focus
- 6500 mAh battery for 10 h endurance
- Alphanumeric keypad



LT35 is a cost-effective professional data collector. Designed for efficient field work in the most demanding conditions, LT35 features sunlight readable VGA screen and up to 10 h operating time.

Extremely affordable, LT35 is an ideal rugged field PDA for a large range of applications from GIS data collection and maintenance, agriculture field measurement, environmental control...

With an integrated 3G network modem, LT35 offers advanced methods needed to access the Internet and exchange project files with your office. Wireless connection to external devices such as a laser range finder or RTK receiver is simple with LT35's Bluetooth and WiFi capability.

Compatible with field data collection software running on Windows Mobile, the LT35 is the solution if you are looking for an easy-to-adopt controller.



# ■ Technical Specifications

## GNSS Characteristics

- High-sensitivity GPS module
- 167 channels with all in view simultaneously tracked satellite signals
  - GPS: L1 C/A
  - BDS: B1
  - SBAS: WAAS, MSAS and EGNOS
- Cold Start: < 29 s
- Hot Start: < 1 s
- Warm Start: < 29 s
- Re-acquisition: < 1 s
- Integrated GPS antenna
- MMCX external antenna connector

## GNSS Accuracies <sup>(1)</sup>

- Stand Alone: 3m RMS
- SBAS: 2.5 m RMS

## System Configuration

- Operating System: Windows Mobile 6.X
- 3.7" sunlight readable VGA screen
- 806 MHz processor with graphics accelerator
- Internal Memory: 512 MB
- External Memory: 32 GB
- Camera: 5 megapixel camera with auto-focus

## Communications

- Network Modem: GSM 850/900/1800/1900 MHz
- Wifi: IEEE 802.11 b/g
- USB: Mini USB
- DB9 serial (optional)
- Built-in microphone and speaker
- NMEA 0183 output
- NFC (optional)

## Physical

- Size (L x W x H): 200 mm x 96 mm x 32 mm  
(7.9 in x 3.8 in x 1.3 in)
- Weight: 515 g (18.2 oz) with battery
- Environment
  - Operating: -20°C to +60°C (-4°F to +140°F)
  - Storage: -30°C to +70°C (-22°F to +158°F)
- Dust and Water Proof: IP65
- Shock and Vibration: 1.2 m (3.9 ft) fall onto concrete

## Electrical

- Li-ion Battery Capacity: 6500 mAh
- Operating Time<sup>(2)</sup>: Up to 10 h with GPS and backlight

## Package Content

- LT35 GNSS handheld receiver
- Li-ion battery
- Screen protection foil and user guide
- USB data cable
- DC power adapter
- Stylus with strap
- Serial cable

## Accessories (optional)

- TF card (8G)
- Mounting bracket and pole (claw) clamp
- External GNSS antenna
- External antenna cable
- TNC to TNC cable
- Centering rod

(1) Accuracy and reliability specifications may be affected by multipath, satellite geometry and atmospheric conditions. Performances assume minimum of 5 satellites, follow up of recommended general GPS practices. (2) Operating time varies based on temperature.

Specifications are subject to change without notice.

© 2017 Shanghai Huace Navigation Technology Ltd. All rights reserved. The Bluetooth® world mark and logos are owned by Bluetooth SIG, Inc. The CHC and CHC logo are trademarks of Shanghai Huace Navigation Technology Limited. All other trademarks are the property of their respective owners – Rev. Sep 2017

CHC - Shanghai Huace Navigation Technology Ltd.  
599 Gaojing Road, Building C  
201702, Shanghai, China  
Tel : +86 21 542 60 273