



UNIQUE U22T

Handheld RTK Receiver

Applications

The U22 integrates wireless platform, professional GNSS, to facilitate data collection in any environment. Data transfer and download is available via various communication systems. The U22 adopts industry-leading standard design, suitable for field and low temperature operating environment, widely used in electrical inspection, land management, forestry census, survey, supply chain management and other fields. With advanced technologies, the U22 facilitates industry information construction.

Features

The U22 handheld RTK receiver adopts Microsoft's Windows Mobile 6.X operating system, integrating professional GNSS module, camera, 3G/2G communication, HD touch screen, Bluetooth and WiFi, RS232 port, to achieve real-time data acquisition and processing without time/space restriction. The U22 features compact and light, ergonomic design, easy to use and carry, IP65 industrial grade protection, 1.2 meter drop protection, rugged.

System

Windows Mobile 6.x
 Chinese/English/French/Japanese/Russian etc
 High speed 800MHz, 32-bit ARM processor, 256M DDR
 RAM, 1GB storage
 Latest variable frequency and voltage regulation technology,
 low power consumption
 5MP HD camera, speaker and microphone,
 convenient data collection in field at any time
 Replaceable 6200 mAh Li-Ion batteries, long working hours

GNSS Performance

Professional GNSS module
 and measurement level GNSS Antenna,
 support external antenna
 GNSS:
 GPS: L1/L2
 GLONASS: L1/L2
 Galileo: E1
 RTK (level):
 Built-in antenna accuracy: less than 10cm
 External antenna accuracy: 2cm + 2ppm
 Post-processing accuracy: less than 5cm (built-in antenna)

Standard Accessories

Large-capacity Li-Ion batteries (6200 mAh, 3.7V)
 Professional kits
 Professional touch pen, USB data cable
 AC charger (Input: 110-240V, Output: 5V, 1000mA)
 4G, TF card
 Cradle charger, serial cable

Communication

Bluetooth/WiFi, RS232
 3G/WCDMA, compatible 2G (850/900/1800/1900,850/2100
 HSPA +)

Physical

Dimension: 210mm x 95mm x 45mm
 Weight: 575g (including battery)

Environment

Operating Temperature: -20 ~ +60°C
 Storage Temperature: -30 ~ +70°C
 IP Protection: IP65, 1.2.0 m free-fall drop
 * Position accuracy is directly related to
 the surrounding environment.
 Blocking, large reflecting surface and electromagnetic
 interference
 etc will affect the position accuracy.



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