

Software Interface



Multiple Storage Ways

Coordinate Stakeout

Road Calculation Stakeout

Application Scenarios



Specification

Telescope

Imaging: Erect
Magnification: 30 $\times$
Field of View: 1°30'
Minimum Viewing Distance: 1.0m
Effective Aperture: 50mm
Resolution: 4"

Angle Measurement

Accuracy: 1"/2"
Angle Measurement Method: Absolute Encoding
Detection Way: Diameter 2/4 Channel Line Array CMOS
Minimum Reading: 1"/0.1" Optional

Distance Measurement

Measuring Range: Prism 5000m
Reflectorless: 1000m
Reflector: 1200m
Distance Measurement Accuracy: 2mm+2x10⁻⁶ D
Distance Measurement Time: Fine: 0.5s
Fast: 0.3s
Tracking: 0.25s
Minimum Reading: 1mm/0.1mm Optional

Power Supply

Battery: Li-ion battery, 7.4V/3200mAh
Working hours: ≥ 12 hours

Compensator

Type: Integrated Dual-axis Compensator
Compensation Range: $\pm 6'$

Data Storage

Memory: 30000 points
Extension: USB-HOST
Data Transmission: Type-C/RS232C/USB-OTG

Plummet

Type: Laser Plummet
Accuracy: ± 1.0 mm at 1.5m
Spot Diameter: 2.5mm at 1.5m
Brightness: Adjustable

Other Functions

Keyboard Display: Double-sided Keyboard
Display Screen: 6 lines of Chinese characters
3.5-inch Color Screen, Resistive Touch
Buttons: Numbers/Letters/Symbols, Button Backlight
Temperature & Air Pressure: Automatic Correction
External Power: DC7.5V-DC12V
Weight: 6.0kg
Working Temperature: -20°C~+50°C
Waterproof & Dustproof: IP55

Illustrations, descriptions and technical specifications are not binding and may change.

UTS392 Series Total Station



UNIQUENAV®

UTS392 Series Total Station

UTS392 series total station is a color touch screen total station launched by UNIQUNAV, with a ridged design, a combination of function and aesthetics. The localization rate of components reaches 98.8%, and the new interactive mode allows users to touch and control at will. It is widely used in engineering surveying, topographic cadastral surveying, and road design software, which is very friendly to engineering users.

Product Features

► 3.5" color touch screen

Innovative design for precise interaction and efficient control, 320×480 Resolution, High-definition Display, Sensitive Touch

► Backlit Buttons

Equipped with ambient light sensor, which can adjust brightness to improve work efficiency in dark environments.

► Touch Interaction, Graphical Interface

Newly designed software kernel, framework and process. Deep integration of touch and graphics, reconstructing the intelligent paradigm of Human-Robot collaboration.

► Measurement Trigger Key, One-click Measurement & Storage

With measurement trigger key in side of the instrument, assuring one-click measurement and data storage while aiming at the target.

► Integrated Compensation, Fast & Accurate

The integrated dual-axis tilt auto-compensation system, coaxially mounted, automatically corrects the angle measurement errors caused by vertical axis tilt in the circle reading, ensuring precise measurement.

► Large-capacity Lithium Battery

7.4V/3200mAh, Type-C charging interface, compatible with fast-charging mobile phone chargers, working time ≥12h

► Break the boundaries of connection, multi-form data transmission

Type-C universal physical interface with Bluetooth wireless transmission, achieving intelligent seamless connection

► Massive Storage, Supporting USB Disk

Built-in high-speed + external flexible storage architecture design, building efficient and reliable data management



Ultra-large Touch Screen



Dual-axis Compensation



Absolute Encoding



Waterproof & Dustproof



Data Storage



Laser Plummet



USB Interface



Bluetooth Transmission

