SPECIFICATIONS

Angle Measurement	
Angle Measuring Principle	Absolute Encoding
Minimum Readout	0.1"
Accuracy	2"
Telescope	
Magnification	30X
Field of View	1°30′
Minimum Focusing Distance	1.5m
Reticle	Illuminated
Compensation	
System	Dual-axis
Working Range	±6′
Accuracy	1″
Distance Measurement (Prism Mode)	
Single Prism¹(General/Good Atmosphere)	5000m/6000m
Accuracy (Fine/Quick/Tracking)	2mm+2ppm
Measuring Time³ (Repeat/Tracking)	0.5s/0.3s
Reflectorless	
Range² (The target is Kodak white board with reflect rate 90%)	1000m
Accuracy (Change according to the different reflector condition)	3mm+2ppm
Measuring Time³ (Repeat / Tracking)	Approx. 1s
Communication	
Interface	Type-C(OTG), TF Card, RS232
WLAN	2.4/5GHz Dual-Band, Support AP mode
Bluetooth	BT2.1+EDR /3.0 /4.2 LE
Microphone / Speaker	Available
System Configuration	
Operation System	Android9.0
Processor	Qualcomm CPU@ octa-core 1.8GHz
Memory	RAM：2GB ROM: 16GB
Display System	
Display	5.5" touch screen, 720*1440
Camera	
Pixel	8MP
Levels	
Tube level	30″/2mm
Circular level	8′/2mm
Plummet	
Type	Laser Point
Accuracy	1mm(Instrument Hight 1.5m)
Environmental	
Operating Temperature	-20°C ~ 50°C
Storage Temperature	–40°C ~ 55°C
Temperature and Air Pressure Input	Automatic sensor
Dust&Water Proof (IEC60529 Standard)	IP55
Power Supply⁴	
Battery Type	High-energy lithium battery
Voltage/Capacity	7.4V 5000mAh
Measuring Times	Approx. 30000 times
Dimension	
Size	206mm*213mm*374mm

Reminders:
*1. Good Conditions: good visibility of about 20km, the overcast sky without scintillation.
*2. Under Kodak white board(90%), measuring distance may vary according to targets and the conditions.
*3. Measuring time may vary with measuring distance and conditions. For the initial measurement, it may take a longer time.
*4. Battery life performs best at 25℃. It might be shorter in low temperature or if the battery is old.

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HTS-720

Android Total Station

AUTHORIZED DISTRIBUTION PARTNER

23J219

HTS-720
Android Total Station

Android 9.0

5.5 inch touch screen

EDM — EDM 1000m

Wireless Connection

8MP Camera

Type-C

1.8Ghz — Qualcomm CPU

2GB RAM, 16GB ROM

HTS-720 features a 5.5-inch touch high-definition large screen, powered by the Android operating system and our brand-new Android measurement software. With the addition of a built-in camera, measuring and stakeout tasks have never been easier.

Intuitive T-Survey software

- Quick settings without switching back and forth between pages. Fast, simple, and convenient operation.

- Comprehensive functions specifically designed for different measurement scenarios.

- Supporting updating to the latest version online.

Road, Bridge and Tunnel measurement
Featuring road, bridge and tunnel design functions, the powerful data processing capabilities of the latest Android measurement software speed up the measurement process and make fieldwork more efficient.

Calculate height of instrument automatically
Automatic height calculation promises higher accuracy.

Imaging for recording points
HD photography for drawing up drafts accurately and quickly.

Graphical electronic bubbles guidance
Animated instruction simplifies the setup process, adjusting the foot screw and leveling the instrument in one step, no more struggling in rotating the instrument back and forth.
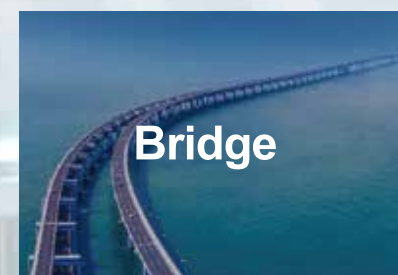
Functions

Visual Stakeout
Reducing frequencies of staring at the telescope and finding points easily through the image guidance, which is accessible to both experienced and novices.
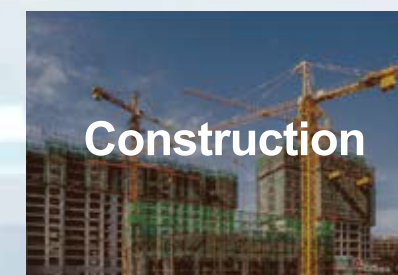
CAD Stakeout
Enabling millisecond-level dynamic response, the high-performance CAD engine makes selecting stakeout points and lines in one click possible, and makes stakeout more intuitive.

Applications

Bridge

Construction

Mining

Tunnel

Railway

Road