Range *1	5000m
Accuracy	±(2+2ppmxD)mm
Measure Interval	Fine: 0.3s, Tracking: 0.1s
Range *2	2000m
Accuracy	±(3+2ppmxD)mm
Measure Interval	0.3-3s
Accuracy	2"
·	Absolute Continuous, Diametrical
Diameter of Encoder Disk	79mm
Display Resolution	0.1"
	Liquid, Dual Axis Compensation
Compensator Setting Accuracy	1"
	±4'
	Erect
	154mm
	45mm (EDM:50mm)
	30x
Resolving Power Field of View Focusing Range	3"
	1°30"
	1.2m
	Illuminated, 4 Brightness Level
Vial Plate Vial	30"/2mm
	8'/2mm
	-
	±1.5mm at 1.5M Instrument Height
· ·	Android 6.0
	MT6753
	RAM: 3GB; ROM: 32GB
	574 Channels
Signal Tracking	BDS-2: B1, B2, B3
	GPS: L1, L2C, L2P, L5
	GLONASS: L1, L2
	GALILEO: E1, E5a, E5b
	SBAS
	Cold Start <50s, Warm Start <45s
	<3s
	<15s
•	>99.9%
	Single: H≤3m, V≤5m (1σ, PDOP≤4)
Static Surveying	H: ±0.5m, V: ±1.0m
	H: ±(2.5mm+1ppm x D), V: ±(5mm+1ppm x D)
	H: ±(10mm+1ppm x D), V: ±(20mm+1ppm x D)
Communication Interfaces Network	- Serial Port (6-Pin)
	- Micro SIM
	- USB Type C (OTG)
	- TF Card
	2G 900/1800
	3G 2100/900 CDMA BC0 TDSCDMA A/F
	3d 2100/900 CDIVIA BCO TD3CDIVIA A/F
	4G LTE band1/3/7/38/39/40/41
Bluetooth	
Bluetooth WLAN	4G LTE band1/3/7/38/39/40/41
	4G LTE band1/3/7/38/39/40/41 Bluetooth 4.0
WLAN Microphone / Speaker	4G LTE band1/3/7/38/39/40/41 Bluetooth 4.0 Dual-Band Single Stream 802.11 a/b/g/n RF for Data Link Available
WLAN Microphone / Speaker Display	4G LTE band1/3/7/38/39/40/41 Bluetooth 4.0 Dual-Band Single Stream 802.11 a/b/g/n RF for Data Link Available TFT LCD Screen, Graphics, 720*1280
WLAN Microphone / Speaker Display Battery	4G LTE band1/3/7/38/39/40/41 Bluetooth 4.0 Dual-Band Single Stream 802.11 a/b/g/n RF for Data Link Available TFT LCD Screen, Graphics, 720*1280 Lithium-lon, 7.4V, Operating 8-10 Hours
WLAN Microphone / Speaker Display	4G LTE band1/3/7/38/39/40/41 Bluetooth 4.0 Dual-Band Single Stream 802.11 a/b/g/n RF for Data Link Available TFT LCD Screen, Graphics, 720*1280
	Measure Interval Range *2 Accuracy Measure Interval Accuracy Measure Method (HZ/V) Diameter of Encoder Disk Display Resolution Compensation Compensator Setting Accuracy Compensator Range Image Tube Length Effective Aperture Magnification Resolving Power Field of View Focusing Range Reticle Plate Vial Circular Vial Type Accuracy Operating System Processor Internal Memory Satellite Tracking Signal Tracking Time to First Fix Signal Re-acquisition RTK Initiation Time RTK Initiation Reliability Single Point Positioning RTD Surveying

- * 1: Good conditions (good visibility approx.40km, overcast, twilight)
- * 2: White objects with high reflectivity (KGC 90%)

Note: all information above is subject to change without any prior notice.



SOUTH SURVEYING & MAPPING TECHNOLOGY CO., LTD.

Add: South Geo-information Industrial Park, No.39 Si Cheng Rd, Guangzhou, China http://www.southinstrument.com



Cable-free Connection by BluetoothIntelligent Workflow under Android 6.0

Navi Station

Total Station with Integrated **GNSS**



Version: Navi Station 1.0

$\&Z > z W K^{\prime}/d/KE$

^]u‰oÇ ^ 𵉠š ¯



d}š o ^š š]}v Á]šZ /vš

Features Android O.S, Navi Station provides an intelligen that integrates GNSS receiver on Total Station. Simply sedetermine the position of occupied point by GNSS receivent imetre accuracy, among the range of 40 km from a station. Navi Station allows you to work quickly and effinite from the beginning.



μο > • Œ D

- 2000m Non-prism
- Stronger return signal due to Its dual laser technology



- ^ š O D ¡ • Accuracy: 2+2ppm
- Extremely fast (0.3s under fine mode



h^ Kd'U d& Œ

- Flexible transfer of data via PC or PDA
- t > E ~ ð' D} μο
- Quick access to Internet



oñµX is }/}vs Z }
• Built-in high resolut

- Eµu Œ] o
- Faster and easier in



/vš oolP vš KX^

- Android 6.0 O S
- User friendliness
- Free SDK package for developer



00 } v • š 0

- Enable the satellite from BDS, GPS, GLC Galileo with 574 ch
- Horizontal: 10+1ppm Vertical: 20+1ppm



hWZ/KZKEsE/t]

νš

With Navi Station, it's $v \} \check{s} v$ •• $CE \ \check{\zeta} \ \check{A} \} CE \ CE \ \check{\zeta} \ \} \mu \check{s} \check{s} Z$, twaverse of the influe of the influe of the obstacle on the ground. No matter how many difficulties you have met, Navi Station helps you define the position and $\{CE \ v \check{s} \ \check{s} \} \}$ with Guperto Convenience and maximum flexibility.



d}%}PŒ %Z] D •μŒ u všš l Kμš]v }v•šŒμ š]}v ^]



Mission: Plan to measure an area with large amount of elements like houses, trees, vegetations on the ground. There are no control points nearby but a GNSS reference station 20km away from this area.

By Traditional Method:

Measure and record several points by GNSS receiver. Total station will setup and orient by two of those known points. It's necessary to use two sets of equipment on the field and the surveyor will feel inconvenient when they need to measure the occupied points twice by GNSS receiver and total station separately.

By Navi Station:

Set up the Navi Station wherever it's convenient. Define the coordinate of occupied point P1 by its integrated GNSS receiver. Then aim at an unknown point P2 as backsight. Measure the data of this area after orientation. Move the station to the unknown point P2 and use the first station P1 as backsight. Based on the defined coordinate, our Navi Station will re-calculate the position of points which measured at the first station.



Mission: Plan to stake-out the position of buildings, facilities or roads on the site. Due to the limitation of working environment and the obstacle, most of them are unable to set a RTK rover stably,

By Traditional Method:

Before stake-out, it is necessary to have the data of control points. However, in the construction site, those points are often covered by equipment or materials. Under such kind of situation, it takes time and effort for total station to move the station and do the traverse measurement when the sight of view is not good enough.

By Navi Station:

With Navi Station you don't need to worry about control points, traverses or sight of view. Navi Station will help you define the position of occupied point and backsight quickly by the integrated GNSS receiver. Benefit from its easy-to-understand graphical guidance and fast navigation inside the software, stake-out the points by Navi Station will be easier and simpler with minimum requirements and maximum flexibility.