SPECIFICATIONS

Distance Measurement with Reflector	Range *1	5000m
	Accuracy	±(2+2ppm.D)mm
	Measure Interval	Fine: 0.3s, Tracking: 0.1s
Distance Measurement without Reflector	Range *2	1000/1500/2000m Optional
	Accuracy	0~500m: ±(3mm + 2 x 10-6.D)
		500~1000m: ±(5mm + 2 x 10-6.D)
		1000~2000m: ±(10mm + 2 x 10-6.D)
	Measure Interval	0.3-3s
Angle Measurement	Accuracy	2”
	Measure Method (HZ/V)	Absolute Continuous, Diametrical
	Diameter of Encoder Disk	79mm
	Display Resolution	0.1”/1”/5” (Optional)
	Compensation	Liquid, Dual Axis Compensation
	Compensator Setting Accuracy	1”
	Compensator Range	±4'/±6'(Optional)
Telescope	Image	Erect
	Tube Length	154mm
	Effective Aperture	45mm (EDM:50mm)
	Magnification	30X
	Resolving Power	3”
	Field of View	1°30"
	Focusing Range	1.4m
	Reticle	Illuminated, 4 Brightness Level
Vial	Plate Vial	30"/2mm
	Circular Vial	8'/2mm
Laser Plummet (Default)	Type	Laser Point, 4 Brightness Level
	Accuracy	±1.5mm at 1.5M Instrument Height
	Wavelength	630-670nm
	Laser Class	Class 2 /IEC60825-1
	Laser Power	<0.4mW
Guide Light	Type	LED
	Wavelength	Red 635nm/ Green 590nm
	Effective Range	200m
System Config	Operating System	Android 11.0
	Processor	MT6762
	Internal Memory	RAM: 4GB; ROM: 64GB
Communication	Interfaces	-Micro SIM
		-USB Type C (OTG)
		-TF Card
	Network	3G 2100/900 CDMA BC0 TDSCDMA A/F
		4G LTE band1/3/7/38/39/40/41
	Bluetooth	Bluetooth 4.0
	WLAN	Dual-Band Single Stream 802.11 a/b/g/n RF for Data Link
	Microphone / Speaker	Available
Display	Type	5.0 Inch, TFT LCD Screen, 720*1280, Alphanumeric keyboard
Battery	Type	Lithium-Ion, 7.4V
	Operating Time	8 Hours
Dimension	Size	215mm*170mm*350mm
	Weight	5.95kgs
Environmental	Temperature Range (Operation)	-20°C ~ 60°C
	Protection	IP55

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

SOUTH
Target your success
SOUTH SURVEYING & MAPPING TECHNOLOGY CO., LTD.
E-mail: mail@southsurvey.com
http://www.southinstrument.com

You Local Authorized Dealer

SOUTH
Target your success

N2H
Android Total Station

- New! Android 11.0 Operating System
- Reliable EDM - 2000m Non-Prism Range
- High Precision - 2”, 2+2ppm
- User Friendly with EDM Trigger Key
- 5.0 Inches Color Touchscreen
- Fast, Simple and Flexible Data Transfer
- Intuitive Onboard Software - Survey Star

Version: N2H 1.0

Android Total Station

N2H

With the proven dual-laser technology, N2H features a powerful and reliable EDM module designed for extremely long-range, fast speed and stable measurement, even under the tough conditions.

All these combined in the new-designed colorful touch screen with fast, simple and flexible data transfer, which makes you more productive than ever before.

Reliable and Outstanding EDM - 2000m Non-Prism

Guaranteed High Precision - 2”, 2+2ppm

User Friendly - EDM Trigger Key

Smartphone-like Experience - Brightness Sensor with 5.0 Inch Touchscreen

Fast, Simple and Flexible Data Transfer

Reliable and Outstanding EDM

- 1000m/1500m/2000m Non-prism Range Optional.
- 5000m Prism Range.
- Improved the Algorithm by Dual-Laser EDM.

Guaranteed High Precision

- 2” Angle Accuracy.
- 2+2ppm Distance Accuracy.
- Extremely Fast (0.3s) When Getting the Target.

EDM Trigger Key

- Achieve the Target by Only One Simple Button Press.
- Not Necessary to Taking Your Eyes Off the Telescope.

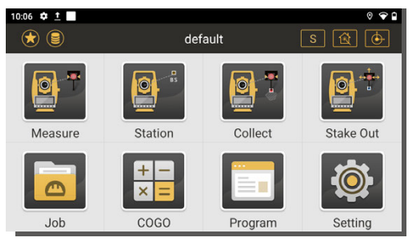
New Designed Control Panel

- 5.0 Inch Color Touchscreen for Higher Readability.
- User-Defined Numeric and Functional Keys.
- Unique Brightness Sensor with Virtual Button, Which Provides a Smartphone-like Experience.

Fast, Simple and Flexible Data Transfer

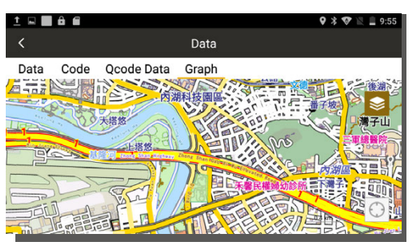
- Support USB-Type C, TF Card, SIM Card Slot
- Flexible Data Transfer with Bluetooth and Wi-Fi Technology.

Digitizing Your Work by **Survey Star**



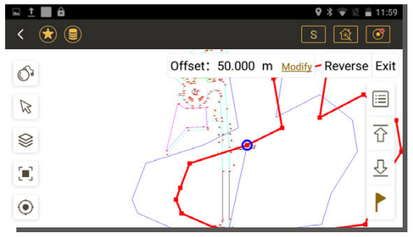
Iconic User Interface

The Survey Star onboard program features an iconic display of the survey elements, like electronic bubble, e-compass, star key and iconic toolbar.
It provides a better understanding for station setup, data collect, stake out in daily tasks.



Map-Driven Workflow

Map is an interactive display feature embedded in Survey Star. It offers a graphical display of the survey elements with base map, which can be downloaded by network, or imported by manual.
It provides a better understanding for data collect, stake out in daily tasks.

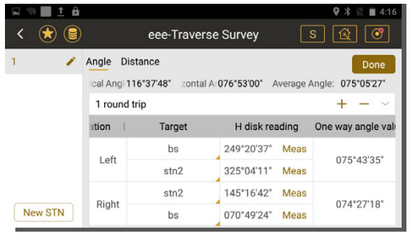


Powerful Onboard Program

Including Free Station, COGO, CAD Stake Out, Arc Stake Out, Reference Line, Traverse, Roads, etc.

CAD Stake Out

With CAD Stake Out, N2H helps to handle the data and stake out freely in DWG or DXF files. The only thing you need to do is import the CAD files to your N2H total station.

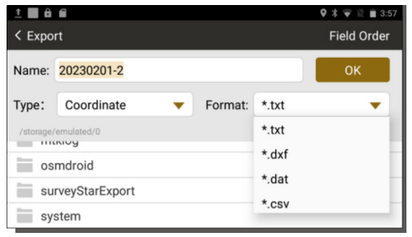


Traverse

When you've got a very difficult site with a lot of obstructions like trees, that obscures our visibility; Or when you can’t measure or place the points you need, traverse on N2H total station helps to get a few more control points to work further than the first orientation.

Road

Freely design, calculate and stakeout the road with N2H total station. Road can be visible and readable with graphic display.



Flexible Data Manage

You can send or receive your data to your controller or PC more flexible than ever, by multiple data format, e.g. *.txt, *.dxf, *.dat, *.csv, *xls.

When you’ve got a N2H total station, you will have infinite possibilities.