SPECIFICATIONS

	N6	N6 ⁺ 2"		N6 ⁺ 5"	
Distance Measurement					
Range	R10	R15	R10	R15	
Reflector		500	0m* ¹		
Reflectorless*2	1000m	1500m	1000m	1500m	
Accuracy					
Reflector		±(2+2ppm x D)mm			
Reflectorless		±(3+2ppm x D)mm			
Measuring Interval					
With Reflector		Fine < 0.3s, Tracking < 0.1s			
Without Reflector		0.3s-3s* ³			
Others					
EDM Type		Coaxial			
Minimum Reading		0.1mm			
Unit	Mete	Meter/ US.Feet/ Int.Feet/ Feet-inch			
Angle Measurement					
Accuracy	2"		5	"	
Reading System		Absolute Encoding			
Circle Diameter		79mm			
Minimum Increment		1"/5"			
Detection Method	Но	Horizontal: Dual, Vertical: Dual			
Telescope					
Image		Er	ect		
Tube Length		154mm			
Effective Aperture		45mm (EDM:50MM)			
Magnification		30x			
Field of View		1°30′			
Minimum Focus Distance		1.2m			
Resolving Power		3"			
Tilt Sensor					
System		Dual Axis Li	quid-Electric		
Working Range		±4'			
Accuracy		1"			
Communications					
Communication Ports		USB Port			
Data Interface		USB Stick,	Bluetooth		
Effective Range of Bluetooth		10m			
Plummet					
Laser Plummet		±1.5mm	n at 1.5m		
Optical Plummet (Optional)		Erect Image			
Magnification		3 x			
Focusing Range		0.5m~∞			
Field of View		5°			
Power					
Туре	Re	echargeable	Lithium battery	,	
Voltage		7.4V DC, 3100mAH			
Operating Time		10 Hours*4			
Level Vials					
Plate Vial		30"/	2mm		
Circular Vial		8'/2mm			
Others					
Dust and Water Protection		IP	55		
Display			LCD 6 Lines		
Keyboard			eric 24 Keys		
Operating Temperature		-20°C ~ +50°C			
Atmosphere Correction	M			n	
Earth Curvature Correction		Manual Input, Auto Correction Manual Input, Auto Correction			
Prism Constant		Manual Input, Auto Correction			
Dimension		190mm x 195mm x 335mm			
Weight (approx)		5.5kg			
vvcigiit (appiOx)		J.J/\g			

STANDARD PACKING LIST

Main unit	1x
Lens cover	1x
Battery holder	1x
Battery LB-01	2x
Tools pouch	1x
Plummet	1x
Manual	1x
Charger LC-10	1x
Reflective sheet	1x
Carry case	1x
Belt	2x

- *1. Good Conditions: good visibility about 20km, overcast, no scintillation.
- *2. Under Kodak Gray (90%). Measuring distance may vary depending on targets and the conditions.
- *3. Measuring time may vary depending on measure distance and conditions. For the initial measurement, it may take a longer time.
- *4. Battery life specification at 25°C . It might be shorter in low temperature or if the battery is old.

OPTIONAL ACCESSORIES



ATS-2 Wooden Tripod NLS-15 Prism Pole TK21T Prism Set

You Local Authorized Deale

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



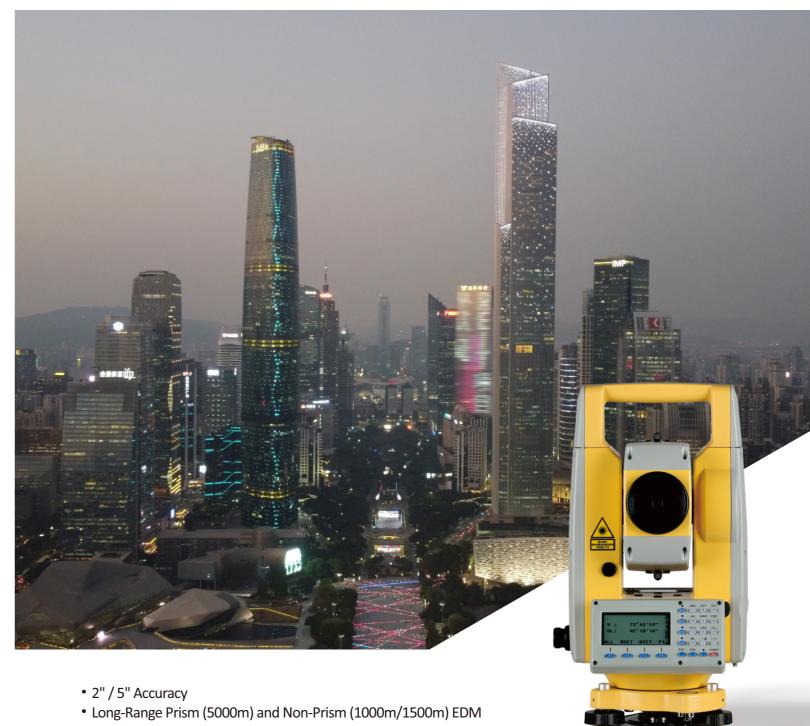
SOUTH SURVEYING & MAPPING TECHNOLOGY CO., LTD.

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



N6⁺ Series

Best-Selling Total Station



- Trigger Key, Hot key for faster operation
- Cable-Free Connection by Wireless Bluetooth or USB Stick
- Bigger internal memory, Save 96000 data block
- Longer operation Time up to 10 hours per battery

What is new for N6⁺

Outstanding Performance and Versatile Functions



New Battery Housing

- Easy to lock and release
- One hand operation



Trigger Key

- Faster operation
- Trigger in all measurement surface



Easy Viewing Display

- 6-line with backlight on both faces.
- Easy-to-use 24-key pads with alphabet entry.



Relocated Tangent Screw

Lock and fine adjustment tangent screw



USB Flash Disk

USB disk for data import & export, more convenient and keep it safe



New Mainboard

- Processor upgrade to M7. More powerful process ability
- Lower consumption. Longer operation time up to 10 hrs by 1 battery



Bigger Memory

Up to save 96000 data blocks



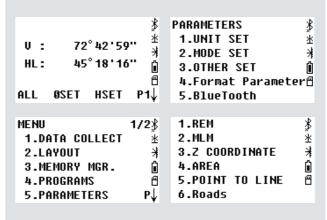
Easy-to-use Onboard System

New tool-bar design on the side of screen, which helps you check the status of your N6⁺ Total Station in real-time.

Choose N6+ to meet your topographic needs as a superior mates. It offers a clear-to-view onboard system by it's easyto-use but powerful programs.

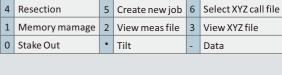
Such as:

- ► Offset: angle, distance, column offset
- ▶ Point to Line: to calculate the coordinate of occupied point based on a known point and line
- ► COGO: calculation of coordinate geometry



4 Resection 0 Stake Out

7 STN Setup



9 BS by Angle

New Hot Key Functions and BT Data Transfer

application, less operation steps and higher efficiency.

Cable free data transfer work with transfer software,

8 BS by XYZ

one key export to USB stick, generate TXT, CSV, DXF files.

12 number key, 12 short path directly enter the

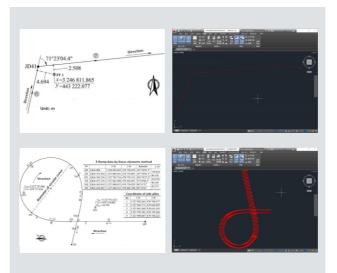


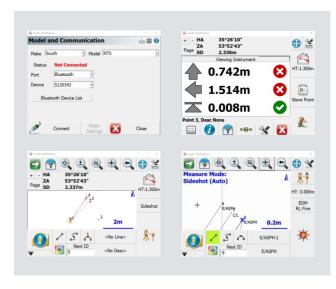




Work on Data Collector

After added the Bluetooth module on N6⁺, you will have more possibilities to extend the applications on Total Station. With open source commands, you are easy to establish the communications between the N6+ and other software you wish to use.





Optimized Road Program

The optimized road program offers a smart solution for road designing, editing and laying out. The new road program will calculate the horizontal and vertical curve in arbitrary geometric curved algorithm.