

SOUTH
Target your success

INSIGHT 

The 4th generation RTK surveying system



POSITIONING BEYOND REACH

*Precision, Flexible
Bright, Sharp*



SOUTH brand-new image RTK V1 surveying system consists of Galaxy G6 and image acquisition system which combined with new point positioning technology--Touch. It crosses space obstacles and sweeps measurement blind area by taking three pictures to obtain the target coordinate information.(unreached points with ordinary RTK system)

Specifications

Positioning	
Horizontal	5cm RMS
Vertical	10cm RMS
Range	≤20m
Image	
Image size	<10M
Image format	JPEG
Processor	SOUTH online cloud server /SGO processing
Camera	1300 MegaPixel
Electrical	
Power consumption	Work: 1.6W-2W Standby: 0.88W
Battery life	Over 10 hours
Charging	Support rapid charge
Communication	
USB	Micro USB interface
Wi-Fi	WIFI 802.11 b/g/n/a 2.4G/5G
SD card	Micro SD interface
Physical	
Memory	16GB
Buttons	One-button control
LED	Working status, Switching on, Charging, Data
Dimensions	69mm*68mm*132.9mm
Weight	700g
Materials	Magnesium alloy
Work temperature	-20°C ~ 50°C
Storage temperature	-40°C ~ +80°C
Waterproof/Dustproof	IP67



Sweep signal blind area

Like an eye of RTK receiver, V1 is able to reach the point in blind area where there is no or weak satellite signals, such as crack between buildings, or special point under eave.



Visual extension

Combines with GNSS RTK positioning and image acquisition technology, and adopts coordinate information of RTK, V1 is able to extend point coordinate to where without satellite signals, effectively expanding working area .



Avoid risk measurement

Rely on its keen senses of sight, V1 captures precision point coordinate away from that dangerous place, like the point locates at the middle of the road, or the point close to high-tension transformer, ensures the safety of surveyors while they are working.



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