SPECIFICATIONS

Channel 20 Channels Signal Tacking 80 S 11, 20, 15 C, 12 C, 12 L Signal Tacking GP S1 LCA, 12 C, 12 L J GP S1 LCA, 15 LUX 15 C, 12 L J Signal Tacking GR S0 S1 CA, 12 LUX 15 C, 12 L J Signal Tacking GR S0 S1 CA, 12 LUX 15 C, 12 L J Signal Tacking GR S0 S1 CA, 12 LUX 15 C, 12 LUX 15 C, 12 L J Signal Tacking GR S0 Features QCSS, WAAS, MASS, 1GN 05 GAGAN, SAS GR S0 Features QCSS, WAAS, MASS, 1GN 05 GAGAN, SAS GR S0 Features QCS S, WAAS, MASS, 1GN 05 GAGAN, SAS GR S0 Features QCS S, WAAS, MASS, 1GN 05 GAGAN, SAS GR S0 Features QCS S, WAAS, MASS, 1GN 05 GAGAN, SAS GR S0 Features QCS S, WAAS, MASS, 1GN 05 GAGAN, SAS GR S0 Features QCS S, WAAS, MASS, 1GN 05 GAGAN, SAS GR S0 Features QCS S, WAAS, MASS, 1GN 05 GAGAN, SAS GR S0 Features QCS S, WAAS, MASS, 1GN 05 GAGAN, SAS GR S0 Features Portical: 12 S mm 1 G S pm GR S0 Features Portical: 12 S mm 1 G S pm GR S0 Features QC Features: Portical: GR S0 Features Portical: 13 F mm 1 G S pm GR S0 Features Portical: 14 F mm 4 G S pm GR S0 Features Portical: 14 F mm 4 G S pm GR S0 Features	Surveying Performance			
Signal Tracking 90 S 19, 20, 20 Gio S 10, 20, 20, 20, 20, 20, 20, 20, 20, 20, 2	Channel	220 Channels		
Generation G	Signal Tracking			
GLONAS 51C/A L [9 L2(A, 12 PL3Galleo GLONA 51C/A L [9 L2(A, 12 PL3Galleo GLOYA A, GLOYA F, T1 5A, T53CSSS FeaturesPositioning output rate:HT*50H*Initialization time:< 105	GNSS Features	GPS L1C/A, L1C, L2C, L2E, L5		
SPA 12(A, IS (Just or the scalings supporting LS) Gale GOVE A, CLOS R, LL SA, SAS OXSS Realures QZS, WASA, SENS E Schweis RASS Features QZS, WASA, SENS E Schweis RASS Realures LL SAS				
Callbo GIVC A, GIVC B, EL SA, ESA CRSS Features Positioning coupur tate: Hur-SUHz Initialization time 105 CRSS Features Positioning coupur tate: Hur-SUHz Cold Differential GNS Positioning -0.25 m + 1 ppm Code Differential GNS Positioning accuracy: Upclay SMMS Code Differential GNS Positioning accuracy: Type SMMS				
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Vertical: 10.50 m + 1 ppm SABA positioning accuracy: typicallySm 308MS Vertical: ± 2.5 mm + 0.5 ppm Vertical: ± 3 mm + 0.5 ppm Real-Time Kinematic Surveying Horizontal: ± 15 mm + 0.5 ppm Real-Time Kinematic Surveying Horizontal: ± 15 mm + 0.5 ppm Real-Time Kinematic Surveying Horizontal: ± 15 mm + 0.5 ppm Real-Time Kinematic Surveying Horizontal: ± 15 mm + 0.5 ppm Network RK Vertical: ± 15 mm + 0.5 ppm Wertical: ± 15 mm + 0.5 ppm Operating 2 * 8 Operating 2 * 95 Operating 4 * 0 * 0 * 0 * 0 * 0 * 0 * 0 * 0 * 0 *	-	Horizontal:	$\pm 0.25 \text{ m} \pm 1 \text{ mm}$	
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Vertical: ± 5 mm + 0.5 ppm Rel-Time Kinewaki Surveying Vertical: ± 15 mm + 1.0 pm (Baselines-30km) Vertical: ± 15 mm + 0.5 pm Network RTK Vertical: ± 15 mm + 0.5 pm Network RTK Vertical: ± 15 mm + 0.5 pm Physical 2 - 36 Physical 2 - 37 Dimension 1.2.9 cm×11.2 cm Vertical: 2 - 36 Physical - 45 C° + 60 C Storage - 55 C° + 48 C Vertify Material of the form long time immersion to depth of 1m Departing 45 C° + 60 C Storage - 55 C° + 48 C Humidity Non-condensing Verteryord/Dustproof IP67 standard, foutected for long time immersion to depth of 1m IP67 standard, fully protected against blowing dust Non-condensing Storage - 50 cm adainst 10 gm cm	Static GNSS Surveying			
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Horizontal: ± R mm + 0.5 pm Network RTK Vertical: ± 15 mm + 0.5 pm Physical RTK initialization time: 2*8s Dimension 12.9 cm×11.2cm 970g (including installed battery) Waterial Magnesium aluminum alloy shell				
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Physical Image: Second Se				
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External radio transmitter 5W/25WWorking frequency410-470MHzCommunication protocolTrimTalk450s, TrimMark3, PCC EOT, SOUTHCellular Mobile NetworkWCDMA3.5G network communication module, GPRS/EDGE compatible, CDMA2000/EVDO 3G optionalDouble Module BluetoothBLEBluetooth 4.0 standard, support for android, ios cellphone connectionBluetooth 2.1 + EDR standardBluetooth 2.1 + EDR standardNFC Communication (Optional)Realizing close range (shorter than 10cm) automatic pair between Galaxy G1 and controller (controller equipped NFCwireless communication module needed)wireless communication module needed)Data Storage/Transmission4GB internal storage, more than 3 years raw observation data (about 1.4M/day), based on recording from 14 satellitesPlug and play mode of USB data transmissionPlug and play mode of USB data transmissionData FormatDifferential data format:CMR+, CMRx, RTCM 2.1, RTCM 2.3, RTCM 3.0, RTCM 3.1, RTCM 3.2GPS output data format:NMEA 0183, PIK plane coordinates, binary codeNetwork model support:VRS, FKP, MAC, supporting NTRIP protocolInertial Sensing System (Optional)Built-in tilt compensator, correcting coordinates automatically according to the tilt direction and angle of the centering rodElectronic BubbleController software display electronic bubble, checking leveling status of the centering rod real timeUser InteractionVertoriler software display electronic bubble, checking leveling status of the centering rod real time	Power Consumption Battery Battery Life Communications and Data Storage	Rechargeable, removable L Single battery: 5PIN LEMO external power 7PIN LEMO RS232 + USB 1 network/radio data link a	7h (static mode) 5h (internal UHF base mode) 6h (rover mode) 7 port + RS232	
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Cellular Mobile NetworkWCDMA3.5G network communication module, GPRS/EDGE compatible, CDMA2000/EVDO 3G optionalDouble Module BluetoothBLEBluetooth 4.0 standard, support for android, ios cellphone connectionBluetooth 2.1 + EDR standardBluetooth 2.1 + EDR standardNFC Communication (Optional)Realizing close range (shorter than 10cm) automatic pair between Galaxy G1 and controller (controller equipped NFCwireless communication module needed)wireless communication module needed)Data Storage/Transmission4GB internal storage, more than 3 years raw observation data (about 1.4M/day), based on recording from 14 satellitesPlug and play mode of USB data transmissionPlug and play mode of USB data transmissionData FormatDifferential data format:CMR+, CMRx, RTCM 2.1, RTCM 2.3, RTCM 3.0, RTCM 3.1, RTCM 3.2GPS output data format:NMEA 0183, PJK plane coordinates, binary codeNetwork model support:VRS, FKP, MAC, supporting NTRIP protocolInertial Sensing System (Optional)Built-in tilt compensator, correcting coordinates automatically according to the tilt direction and angle of the centering rodController software display electronic bubble, checking leveling status of the centering rod real timeUser InteractionVertice software display electronic bubble, checking leveling status of the centering rod real time	Power Consumption Battery Battery Life Communications and Data Storage I/O Port Wireless Modem	Rechargeable, removable L Single battery: 5PIN LEMO external power 7PIN LEMO RS232 + USB 1 network/radio data link a SIM card slot Integrated internal radio re External radio transmitter 5	7h (static mode) 5h (internal UHF base mode) 6h (rover mode) 7 port + RS232 Intenna port Receiver and transmitter 0.5W/2W	
Double Module BluetoothBLEBluetooth 4.0 standard, support for android, ios cellphone connectionBluetooth 2.1 + EDR standardNFC Communication (Optional)Realizing close range (shorter than 10cm) automatic pair between Galaxy G1 and controller (controller equipped NFCwireless communication module needed)Data Storage/Transmission4GB internal storage, more than 3 years raw observation data (about 1.4M/day), based on recording from 14 satellitesPlug and play mode of USB data transmissionData FormatDifferential data format:CMR+, CMRx, RTCM 2.1, RTCM 2.3, RTCM 3.0, RTCM 3.1, RTCM 3.2GPS output data format:NMEA 0183, PJK plane coordinates, binary codeNetwork model support:VRS, FKP, MAC, supporting NTRIP protocolInertial Sensing System (Optional)Tilt SurveyBuilt-in tilt compensator, correcting coordinates automatically according to the tilt direction and angle of the centering rodController software display electronic bubble, checking leveling status of the centering rod real timeUser Interaction	Power Consumption Battery Battery Life Communications and Data Storage I/O Port Wireless Modem Working frequency	Rechargeable, removable L Single battery: 5PIN LEMO external power 7PIN LEMO RS232 + USB 1 network/radio data link a SIM card slot Integrated internal radio re External radio transmitter 5 410-470MHz	7h (static mode) 5h (internal UHF base mode) 6h (rover mode) 7 port + RS232 antenna port ecciver and transmitter 0.5W/2W 5W/25W	
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Plug and play mode of USB data transmission Data Format Differential data format: CMR+, CMRx, RTCM 2.1, RTCM 2.3, RTCM 3.0, RTCM 3.1, RTCM 3.2 GPS output data format: NMEA 0183, PJK plane coordinates, binary code Network model support: VRS, FKP, MAC, supporting NTRIP protocol Inertial Sensing System (Optional) Built-in tilt compensator, correcting coordinates automatically according to the tilt direction and angle of the centering rod Electronic Bubble Controller software display electronic bubble, checking leveling status of the centering rod real time User Interaction Vertice of the centering rod real time	Power Consumption Battery Battery Life Communications and Data Storage I/O Port Wireless Modem Working frequency Communication protocol Cellular Mobile Network	Rechargeable, removable L Single battery: 5PIN LEMO external power 7PIN LEMO RS232 + USB 1 network/radio data link a SIM card slot Integrated internal radio re External radio transmitter 5 410-470MHz TrimTalk450s, TrimMark3, F WCDMA3.5G network com BLEBluetooth 4.0 standard, Bluetooth 2.1 + EDR standa Realizing close range (short	7h (static mode) 5h (internal UHF base mode) 6h (rover mode) 7 port + RS232 antenna port ecciver and transmitter 0.5W/2W 5W/25W PCC EOT, SOUTH munication module, GPRS/EDGE compatible, CDMA2000/EVDO 3G optional , support for android, ios cellphone connection ard ter than 10cm) automatic pair between Galaxy G1 and controller (controller equipped NFC	
Data Format Differential data format: CMR+, CMRx, RTCM 2.1, RTCM 2.3, RTCM 3.0, RTCM 3.1, RTCM 3.2 GPS output data format: NMEA 0183, PJK plane coordinates, binary code Network model support: VRS, FKP, MAC, supporting NTRIP protocol Inertial Sensing System (Optional) Built-in tilt compensator, correcting coordinates automatically according to the tilt direction and angle of the centering rod Electronic Bubble Controller software display electronic bubble, checking leveling status of the centering rod real time	Power Consumption Battery Battery Life Communications and Data Storage I/O Port Wireless Modem Working frequency Communication protocol Cellular Mobile Network Double Module Bluetooth NFC Communication (Optional)	Rechargeable, removable L Single battery: 5PIN LEMO external power 7PIN LEMO RS232 + USB 1 network/radio data link a SIM card slot Integrated internal radio re External radio transmitter 5 410-470MHz TrimTalk450s, TrimMark3, F WCDMA3.5G network com BLEBluetooth 4.0 standard, Bluetooth 2.1 + EDR standa Realizing close range (short wireless communication mo	7h (static mode) 5h (internal UHF base mode) 6h (rover mode) 7 port + RS232 antenna port ecciver and transmitter 0.5W/2W 5W/25W PCC EOT, SOUTH munication module, GPRS/EDGE compatible, CDMA2000/EVDO 3G optional , support for android, ios cellphone connection ard ter than 10cm) automatic pair between Galaxy G1 and controller (controller equipped NFC odule needed)	
GPS output data format: NMEA 0183, PIK plane coordinates, binary code Network model support: VRS, FKP, MAC, supporting NTRIP protocol Inertial Sensing System (Optional) Intertial Compensator, correcting coordinates automatically according to the tilt direction and angle of the centering rod Electronic Bubble Controller software display electronic bubble, checking leveling status of the centering rod real time	Power Consumption Battery Battery Life Communications and Data Storage I/O Port Wireless Modem Working frequency Communication protocol Cellular Mobile Network Double Module Bluetooth	Rechargeable, removable L Single battery: 5PIN LEMO external power 7PIN LEMO RS232 + USB 1 network/radio data link a SIM card slot Integrated internal radio re External radio transmitter 5 410-470MHz TrimTalk450s, TrimMark3, F WCDMA3.5G network com BLEBluetooth 4.0 standard, Bluetooth 2.1 + EDR standa Realizing close range (short wireless communication mo 4GB internal storage, more	7h (static mode) 5h (internal UHF base mode) 6h (rover mode) 7 port + RS232 antenna port Acceiver and transmitter 0.5W/2W 5W/25W PCC EOT, SOUTH munication module, GPRS/EDGE compatible, CDMA2000/EVDO 3G optional , support for android, ios cellphone connection ard ter than 10cm) automatic pair between Galaxy G1 and controller (controller equipped NFC odule needed) than 3 years raw observation data (about 1.4M/day), based on recording from 14 satellites	
Network model support: VRS, FKP, MAC, supporting NTRIP protocol Inertial Sensing System (Optional) Introduction Tilt Survey Built-in tilt compensator, correcting coordinates automatically according to the tilt direction and angle of the centering rod Electronic Bubble Controller software display electronic bubble, checking leveling status of the centering rod real time User Interaction Vertical Support:	Power Consumption Battery Battery Life Communications and Data Storage I/O Port Wireless Modem Working frequency Communication protocol Cellular Mobile Network Double Module Bluetooth NFC Communication (Optional)	Rechargeable, removable L Single battery: 5PIN LEMO external power 7PIN LEMO RS232 + USB 1 network/radio data link a SIM card slot Integrated internal radio re External radio transmitter 5 410-470MHz TrimTalk450s, TrimMark3, F WCDMA3.5G network com BLEBluetooth 4.0 standard, Bluetooth 2.1 + EDR standa Realizing close range (short wireless communication mo 4GB internal storage, more	7h (static mode) 5h (internal UHF base mode) 6h (rover mode) 7 port + RS232 antenna port Acceiver and transmitter 0.5W/2W 5W/25W PCC EOT, SOUTH munication module, GPRS/EDGE compatible, CDMA2000/EVDO 3G optional , support for android, ios cellphone connection ard ter than 10cm) automatic pair between Galaxy G1 and controller (controller equipped NFC odule needed) than 3 years raw observation data (about 1.4M/day), based on recording from 14 satellites	
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Tilt SurveyBuilt-in tilt compensator, correcting coordinates automatically according to the tilt direction and angle of the centering rodElectronic BubbleController software display electronic bubble, checking leveling status of the centering rod real timeUser InteractionVertical display electronic bubble, checking leveling status of the centering rod real time	Power Consumption Battery Battery Life Communications and Data Storage I/O Port Wireless Modem Working frequency Communication protocol Cellular Mobile Network Double Module Bluetooth NFC Communication (Optional) Data Storage/Transmission	Rechargeable, removable L Single battery: 5PIN LEMO external power 7PIN LEMO RS232 + USB 1 network/radio data link a SIM card slot Integrated internal radio re External radio transmitter 5 410-470MHz TrimTalk450s, TrimMark3, F WCDMA3.5G network com BLEBluetooth 4.0 standard, Bluetooth 2.1 + EDR standard Realizing close range (short wireless communication mo 4GB internal storage, more Plug and play mode of USB Differential data format:	7h (static mode) 5h (internal UHF base mode) 6h (rover mode) 7 port + RS232 antenna port receiver and transmitter 0.5W/2W 5W/25W PCC EOT, SOUTH munication module, GPRS/EDGE compatible, CDMA2000/EVDO 3G optional , support for android, ios cellphone connection and ter than 10cm) automatic pair between Galaxy G1 and controller (controller equipped NFC odule needed) et than 3 years raw observation data (about 1.4M/day), based on recording from 14 satellites data transmission CMR+, CMRx, RTCM 2.1, RTCM 2.3, RTCM 3.0, RTCM 3.1, RTCM 3.2	
Electronic Bubble Controller software display electronic bubble, checking leveling status of the centering rod real time User Interaction	Power Consumption Battery Battery Life Communications and Data Storage I/O Port Wireless Modem Working frequency Communication protocol Cellular Mobile Network Double Module Bluetooth NFC Communication (Optional) Data Storage/Transmission	Rechargeable, removable L Single battery: 5PIN LEMO external power 7PIN LEMO RS232 + USB 1 network/radio data link a SIM card slot Integrated internal radio re External radio transmitter 5 410-470MHz TrimTalk450s, TrimMark3, F WCDMA3.5G network com BLEBluetooth 4.0 standard, Bluetooth 2.1 + EDR standa Realizing close range (short wireless communication me 4GB internal storage, more Plug and play mode of USB Differential data format: GPS output data format:	7h (static mode) 5h (internal UHF base mode) 6h (rover mode) 7 port + RS232 antenna port receiver and transmitter 0.5W/2W 5W/25W PCC EOT, SOUTH munication module, GPRS/EDGE compatible, CDMA2000/EVDO 3G optional , support for android, ios cellphone connection and ter than 10cm) automatic pair between Galaxy G1 and controller (controller equipped NFC odule needed) et than 3 years raw observation data (about 1.4M/day), based on recording from 14 satellites data transmission CMR+, CMRx, RTCM 2.1, RTCM 2.3, RTCM 3.0, RTCM 3.1, RTCM 3.2 NMEA 0183, PJK plane coordinates, binary code	
Electronic Bubble Controller software display electronic bubble, checking leveling status of the centering rod real time User Interaction	Power Consumption Battery Battery Life Communications and Data Storage I/O Port Wireless Modem Working frequency Communication protocol Cellular Mobile Network Double Module Bluetooth NFC Communication (Optional) Data Storage/Transmission	Rechargeable, removable L Single battery: 5PIN LEMO external power 7PIN LEMO RS232 + USB 1 network/radio data link a SIM card slot Integrated internal radio re External radio transmitter 5 410-470MHz TrimTalk450s, TrimMark3, F WCDMA3.5G network com BLEBluetooth 4.0 standard, Bluetooth 2.1 + EDR standa Realizing close range (short wireless communication me 4GB internal storage, more Plug and play mode of USB Differential data format: GPS output data format:	7h (static mode) 5h (internal UHF base mode) 6h (rover mode) 7 port + RS232 antenna port receiver and transmitter 0.5W/2W 5W/25W PCC EOT, SOUTH munication module, GPRS/EDGE compatible, CDMA2000/EVDO 3G optional , support for android, ios cellphone connection and ter than 10cm) automatic pair between Galaxy G1 and controller (controller equipped NFC odule needed) et than 3 years raw observation data (about 1.4M/day), based on recording from 14 satellites data transmission CMR+, CMRx, RTCM 2.1, RTCM 2.3, RTCM 3.0, RTCM 3.1, RTCM 3.2 NMEA 0183, PJK plane coordinates, binary code	
User Interaction	Power Consumption Battery Battery Battery Life Communications and Data Storage I/O Port Wireless Modem Working frequency Communication protocol Cellular Mobile Network Double Module Bluetooth NFC Communication (Optional) Data Storage/Transmission Data Format	Rechargeable, removable L Single battery: 5PIN LEMO external power 7PIN LEMO RS232 + USB 1 network/radio data link a SIM card slot Integrated internal radio re External radio transmitter 5 410-470MHz TrimTalk450s, TrimMark3, F WCDMA3.5G network com BLEBluetooth 4.0 standard, Bluetooth 2.1 + EDR standa Realizing close range (short wireless communication me 4GB internal storage, more Plug and play mode of USB Differential data format: GPS output data format: Network model support:	7h (static mode) 5h (internal UHF base mode) 6h (rover mode) 7 port + RS232 antenna port eceiver and transmitter 0.5W/2W 5W/25W PCC EOT, SOUTH munication module, GPRS/EDGE compatible, CDMA2000/EVDO 3G optional , support for android, ios cellphone connection ard ter than 10cm) automatic pair between Galaxy G1 and controller (controller equipped NFC odule needed) than 3 years raw observation data (about 1.4M/day), based on recording from 14 satellites data transmission CMR+, CMRx, RTCM 2.1, RTCM 2.3, RTCM 3.0, RTCM 3.1, RTCM 3.2 NMEA 0183, PJK plane coordinates, binary code VRS, FKP, MAC, supporting NTRIP protocol	
	Power Consumption Battery Battery Battery Life Communications and Data Storage I/O Port Wireless Modem Working frequency Communication protocol Cellular Mobile Network Double Module Bluetooth NFC Communication (Optional) Data Storage/Transmission Data Format Inertial Sensing System (Optional)	Rechargeable, removable L Single battery: 5PIN LEMO external power 7PIN LEMO RS232 + USB 1 network/radio data link a SIM card slot Integrated internal radio re External radio transmitter S 410-470MHz TrimTalk450s, TrimMark3, F WCDMA3.5G network com BLEBluetooth 4.0 standard, Bluetooth 2.1 + EDR standa Realizing close range (short wireless communication me 4GB internal storage, more Plug and play mode of USB Differential data format: Network model support:	7h (static mode) 5h (internal UHF base mode) 6h (rover mode) 7 port + RS232 antenna port 4 ceeiver and transmitter 0.5W/2W 5 W/25W PCC EOT, SOUTH munication module, GPRS/EDGE compatible, CDMA2000/EVDO 3G optional , support for android, ios cellphone connection ard ter than 10cm) automatic pair between Galaxy G1 and controller (controller equipped NFC odule needed) than 3 years raw observation data (about 1.4M/day), based on recording from 14 satellites data transmission CMR+, CMRx, RTCM 2.1, RTCM 2.3, RTCM 3.0, RTCM 3.1, RTCM 3.2 NMEA 0183, PJK plane coordinates, binary code VRS, FKP, MAC, supporting NTRIP protocol	
	Power Consumption Battery Battery Battery Life Communications and Data Storage I/O Port Wireless Modem Working frequency Communication protocol Cellular Mobile Network Double Module Bluetooth NFC Communication (Optional) Data Storage/Transmission Data Format Inertial Sensing System (Optional) Tilt Survey	Rechargeable, removable L Single battery: 5PIN LEMO external power 7PIN LEMO RS232 + USB 1 network/radio data link a SIM card slot Integrated internal radio re External radio transmitter S 410-470MHz TrimTalk450s, TrimMark3, F WCDMA3.5G network com BLEBluetooth 4.0 standard, Bluetooth 2.1 + EDR standa Realizing close range (short wireless communication me 4GB internal storage, more Plug and play mode of USB Differential data format: Network model support:	7h (static mode) 5h (internal UHF base mode) 6h (rover mode) 7 port + RS232 antenna port 4 ceeiver and transmitter 0.5W/2W 5 W/25W PCC EOT, SOUTH munication module, GPRS/EDGE compatible, CDMA2000/EVDO 3G optional , support for android, ios cellphone connection ard ter than 10cm) automatic pair between Galaxy G1 and controller (controller equipped NFC odule needed) than 3 years raw observation data (about 1.4M/day), based on recording from 14 satellites data transmission CMR+, CMRx, RTCM 2.1, RTCM 2.3, RTCM 3.0, RTCM 3.1, RTCM 3.2 NMEA 0183, PJK plane coordinates, binary code VRS, FKP, MAC, supporting NTRIP protocol	







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Build-Ir Radio



Hi-Spee USB

SOUTH Galaxy G1, new generation integrated RTK system with smaller size and innovative design, leads the direction of new generation RTK with excellent performance, provides high-efficiency and intelligent surveying experience to customers. It isn't simply smaller, it's better in everywhere.



- 2. DATA interaction
- 3. Satellite indicator

- 5. Battery housing
- 6. Loudspeaker

8. Standard LEMO(5 pins) 9. USB/RS232

STANDARD SET

External radio transmitter (optional)

Our high speed wireless digital radio is integrated with ten years radio design and production experience of SOUTH, adopting radio frequency and digital processing, baseband processing technology, air transmission rate reaches to 19200bp, radio-frequency emission power top to 25W, reliable performance, strong stability, is more suitable for RTK fieldwork.

RTK carrying case

The convenient RTK carrying case is customized for surveying workers, which adopts double oxford tabby textile fabric and YKK industrial grade waterproof zipper. It has strong abrasive resistance and waterproofness. Meanwhile the unique backpack design reduces the heavy burden of field work.

Surveying software

Galaxy G1 RTK surveying system can be equipped with SOUTH professional surveying software for special industries, such as engineering star, SurvCE, FieldGenius and so on.

Engineering star (standard supply): it's our kernel surveying software, the main functions are detail survey, stake out point, stake out line, coordinate system transformation and so on. It's a powerful and efficient software for RTK survey.

KEY FEATURES



Innovative structure design

SOUTH Galaxy G1, with smaller size and innovative design, the weight is only 970g, is built with magnesium alloy materials. And the top edge is designed to decrease harm for receiver in case of fall down to ground.



Powerful new bluetooth module

Equipped with bluetooth 4.0 module, which supports receiver to work well with smartphone and tablet etc, also making bluetooth communication faster and more stable.



Tilt survey

The internal tilt sensor helps receiver to survey without centering, in order to improve survey efficiency, and tilt angle can reach 30 degree maximum.



Electronic bubble calibration

The internal electronic bubble sensor can correct the survey result, to support receiver to survey without level.



Easy to carry

Travel light, makes the surveying no longer bear heavy load. New miniature RTK surveying system, the receivers and bags have become more compact, and the weight of a full set of equipment reduces by 30% compare to the previous generation.



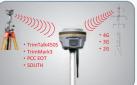
Full satellite constellations support

the field.

Cloud service

Equipped with most advanced GNSS boards, SOUTH Galaxy G1 system can track most signal from all kinds of running satellite constellation, especially support B1,B2 and B3 signal from BeiDou, also is able to get position result with only BeiDou signal.





Advanced data-link module

NFC function



Intelligent and open platform

A based on smart platform and powerful structure, which can make system work faster and more stable, less power consumption, and can also monitor the status of each parts real time, extend battery life in

7*24 hour cloud service, which enable make service and support more quickly, such as online upgrade and register, remote diagnosis etc.

Integrated with new and excellent datalink system, SOUTH Galaxy G1 is compatible with current radio protocols in the market, also supports all kinds of network types to access CORS seamlessly.

The internal NFC module can make the complicated bluetooth communication more simple and easier.