

P3 Handheld Controller

Your reliable partner in surveying and mapping.

A durable and practical tool for surveying and mapping. With IP68 industrial-grade waterproofing, dustproofing, and shockproofing. Its 5.5-inch FHD display, 800 Nits screen brightness, and 9000mAh battery provide clear visuals and up to 20 hours of continuous operation. Experience the power to conquer any terrain with precision and efficiency.



GINTEC

SPECIFICATIONS

Positioning

Channels	1408
GPS	L1C/A, L1C, L2P(Y), L2C, L5
GLONASS	G1, G2, G3
BDS	B1I, B2I, B3I, B1C, B2a, B2b
GALILEO	E1, E5a, E5b, E6
QZSS	L1, L2C, L5, L6
NAVIC(IRNSS)	L5
SBAS	L1C/A
PPP	B2B-PPP E6-HAS
Data Update Frequency	50Hz
Positioning Frequency	1Hz 2Hz 5Hz 10Hz 20Hz 50Hz
Cold Start Time	<12s
Initialization Time	< 5s
Initialization Confidence	>99.9%

Measurement Accuracy

Static Mode Accuracy	H:±2.5mm+0.5ppm V:±5.0mm+0.5ppm
Single Point Solution Accuracy	H: 1.5m V:2.5m
Differential Solution Accuracy	H:0.4m V:0.8m
RTK Accuracy	H:±8.0mm+1ppm V:±15.0mm+1ppm
Time Accuracy	20ns
Tilt Measurement Accuracy	≤2.5cm within 120°

Power

Battery Life	Static 44h, Rover 40h, Base station up to 25 hours
Power Supply	Built-in Li-ion 12V/2A, Max24W 7.2V_13600mAh

Physical

Material	Magnesium alloy main body. ABS/PC top cover
Dimensions	Φ155.6mm*93mm
Weight	1400g

Operation

Button	Power Button
Indicator	Satellite Signal Light, Data Transmission Light, Current Battery Light

Camera

2 Mega CMOS image sensor	
Optical Format	1/5 inch
Pixel Size	1.75um*1.75um
Active Pixel Array	1616*1232

System

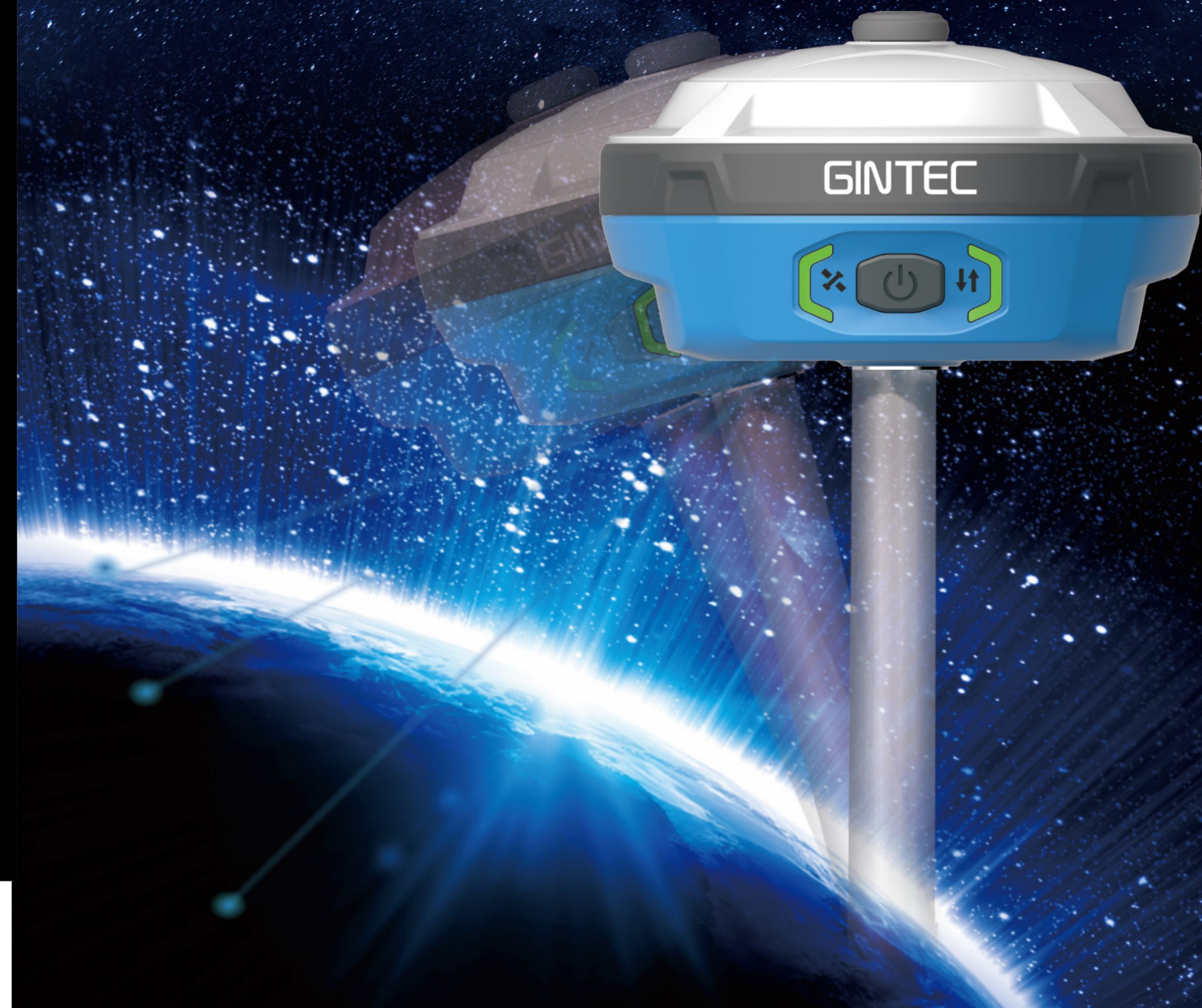
Operating System	Linux
Memory	32GB Internal Storage
5-pin	External radio and external power, RS232
Internal UHF	Power: 3/5W Maximum Range:15KM+
Data Transmission	4G/Bluetooth/WIFI/Radio
Bluetooth	V5.0,BLE
WIFI	802.11a/b/g/n
Radio Power	5W
Radio Frequency	410-470MHz
Radio Channel Quantity	Up to 99 channels
Air Baud Rate	19200, 9600, 4800
4G Network	LTE FDD: B1/B2/B3/B4/B5/B7/B8/ B12/B13/B19/B20/B25/ B26/B28 LTE TDD: B38/B39/B40/B41 UMTS: B1/B2/B4/B5/B6/B8/B19 GSM: B2/B3/B5/B8
Supported Protocols	Gintec Work, TrimTalk450s(T), TrimMark III, SOUTH, PCC-EOT, Hi-target, Satel, Farlink, etc.
Supported Languages	Chinese, English, Polish, Turkish, Korean, Indonesian, Spanish, Telugu, Russian, etc.

Environment

Operating Temperature	-30℃~+65℃
Storage Temperature	-40℃~+80℃
Waterproof Dustproof	IP68
Shock and Vibration	Withstanding 2m pole drop onto the cement ground
Humidity	99.9%

GINTEC
TAKE POSITION ASSURED

G40 Plus 5W Internal Radio GNSS Receiver



GINTEC®

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Guangzhou, Guangdong, China

G40 Plus

5W Internal Radio

GNSS Receiver

Equipped with 5W high power internal radio, radio signal covers up to 20km.
13600mAh large capacity built-in battery, the operation duration is up to 8-10 hours(Base mode, 5W power)
40-44hours(Rover mode, radio)



20KM+

Stable Transmission

Strong Signal

GintecWork Protocol

13600mAh

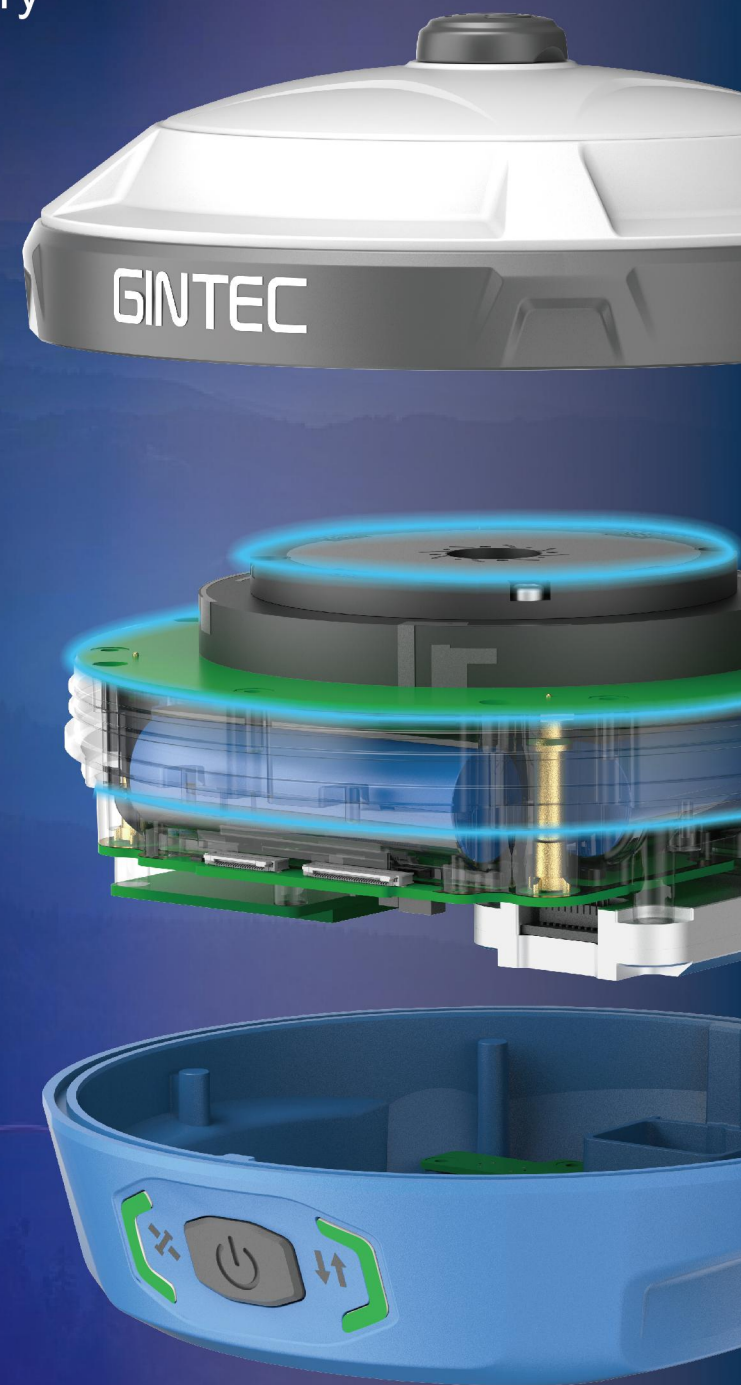
large capacity built-in battery

Base Station
Up to 25 hours in base station mode

Large Capacity
Super 13600mAh large battery

Long Working Hours
40-44 hours in rover station

Durable Usage
Outstanding performance, long lifespan



Key Features



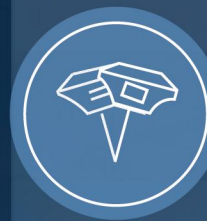
Super Base

- Equipped with 5W high power internal radio, radio signal covers up to 20km.



New-Generation SoC

- Powerful GNSS SoC chip with 1408 channels
- Supporting the new Beidou B3I, Galileo E6 tracking
- G-FIX supported



Calibration-Free Tilt Compensation

- Calibration and initialization FREE
- Ready for tilt survey straight out of the box



Augmented Reality (AR)

- Overlaying digital information onto the real world
- Assisting to view the stakeout location and see designed features in real time



Professional Camera

- High-resolution night vision camera
- Broad perspective, sophisticated algorithms guaranteeing the precision up to 1cm
- Seamlessly combining 360-degree AR visual stakeout and image AR visual stakeout



High-Capacity Built-in Battery, Longer Duration

- 13600mAh large capacity built-in battery, the operation duration is up to 25 hours(Base mode)



G-FIX Correction Outage Technology

- Extending RTK positioning up to 10mins
- Reducing downtime waiting to re-establish RTK corrections



New Antenna Combination

- Highly integrated GNSS, 4G, WIFI, and Bluetooth antennas
- Powerful Performance. Smaller Size



Anti-Interference Technology

- Advanced multi-frequency interference suppression and multi-step adaptive filtering technology
- Strong and stable signals in challenging conditions