

P1

GNSS RECEIVER

Portable & Flexible For Your Use



FULL CONSTELLATION TRACKING

In order to provide users with high accuracy positioning, the P1 GNSS receiver has embedded with high precision GNSS module that tracks GPS, GLONASS, BeiDou, Galileo, QZSS and SBAS. Adopted with anti-jamming and anti-spoofing algorithm, it can deliver centimeter-level RTK accuracy and sub-meter standalone accuracy.

PORTABLE & FLEXIBLE DESIGN

The P1 GNSS receiver has integrated the GNSS module and GNSS antenna together while keeping the device as small as a smart phone, which makes it more portable. Furthermore, with 4G/Bluetooth communication, P1 supports real-time positioning data transmission, which can be applied in areas like personnel position tracking.

CUSTOMIZE FOR YOUR USE

Taking advantage of its portable & high precision features, P1 is suitable for wide applications in versatile industries, such as GIS information collection, vehicle trajectory tracking, inspection and investigation and etc. Depending on the actual application scenarios, SingularXYZ provides users with SDK for customized development of third-party platforms.

SIGNAL TRACKING

GPS	L1C/A, L2C
GLONASS	L1OF, L2OF
BDS	B1I, B2I
Galileo	E1B/C, E5b
QZSS	L1C/A, L1S, L2C
SBAS	L1C/A

ACCURACY

RTK Accuracy	H: 10mm+1ppm V: 20mm+1ppm
Standalone	0.5m

COMMUNICATION

Bluetooth	BT4.0
4G	LTE-FDD: B1/B3/B5/B7/B8/B20/B28 LTE-TDD: B38/B40/B41 GSM: Band 850 / 900 / 1800 / 1900 MHz

ELECTRICAL

Battery	3050mAh, up to 14h working time
Input Voltage	5V, 2A

PHYSICAL

Size	122.5*62*22mm (L*W*H)
Weight	146g

ENVIRONMENTAL

Waterproof & dustproof	IP65
Shock	Designed to survive a 1.5 m drop onto concrete
Operating temperature	-40 °C to + 85 °C (-40 °F to 185 °F)
Storage temperature	-40 °C to + 85 °C (-40 °F to 185 °F)
Humidity	100% non-condensing

APPLICATION

geographical information collection
Personnel positioning
Vehicle trajectory tracking
Inspection and investigation
Other high precision applications

All specifications are subject to change without notice.

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