

# P8Global Portable RTK Receiver

4G Full Band Portable RTK Receiver



TokSurvey Information Technology Co., Ltd

# P8Global Introduction

The P8Global is a portable intelligent positioning terminal developed based on BDS high-precision positioning technology. The main unit is lightweight and compact, making it easy to carry around.

It supports tracking of signals from all satellite constellations with 1408 channels, built-in high-precision IMU supports tilt measurement, providing centimeter-level positioning accuracy. It caters to various measurement and layout tasks such as road construction, power line surveying, site leveling control, CAD applications, railway stakeout, and more.



# P8Global Portable RTK Receiver



## With 1408 Channels

The P8 Global Portable RTK Receiver is equipped with a compact and omnidirectional helical antenna. With 1408 channels, it can simultaneously receive BDS, GPS, GLONASS, GALILEO, QZSS, SBAS and NavIC(IRNSS) signals.

It enables full constellation positioning, supports base station differential correction, and can integrate with the GBAS. The accuracy can reach centimeter-level.

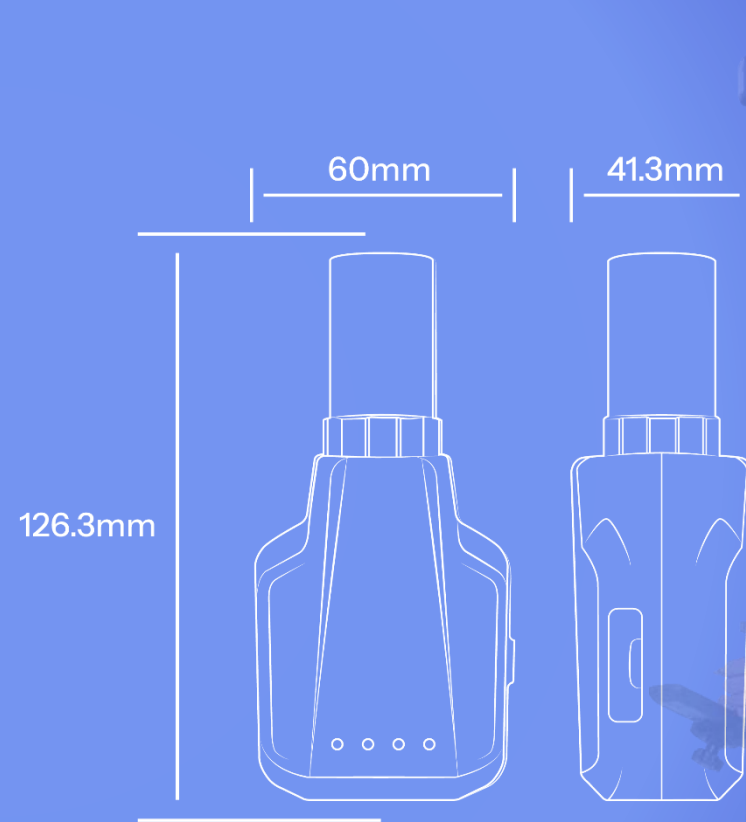


# P8Global Portable RTK Receiver



## Compact & portable

The P8 Global Portable RTK Receiver weighs only 176g, making it convenient for portable use. It also has low power consumption. With a built-in 2500mAh lithium battery, the device can work continuously for over 12 hours.



# P8Global Portable RTK Receiver



## Qualcomm 4G Full Band Modem

The Receiver supports Qualcomm 4G Full Band Modem, Bluetooth connectivity for communication and control purposes. It can be combined with a cloud server to enable remote monitoring, configuration, and alerts for the main unit.



**LTE FDD:** B1/2/3/4/5/7/8/12/13/18/19/20/25/26/28

**LTE TDD:** B38/39/40/41

**WCDMA:** B1/2/4/5/6/8/19

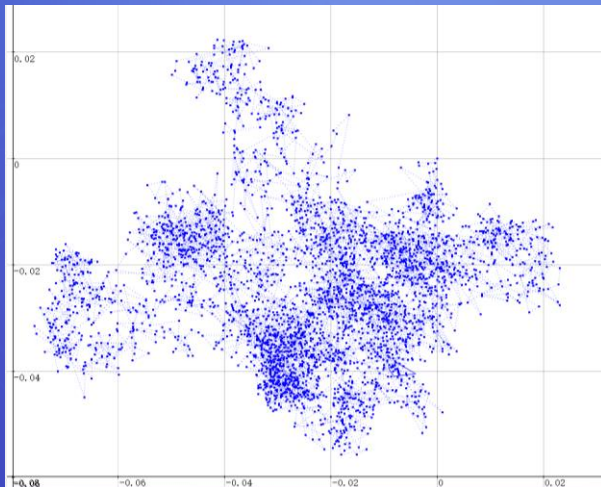
**GSM:** B2/3/5/8

# P8Global Portable RTK Receiver

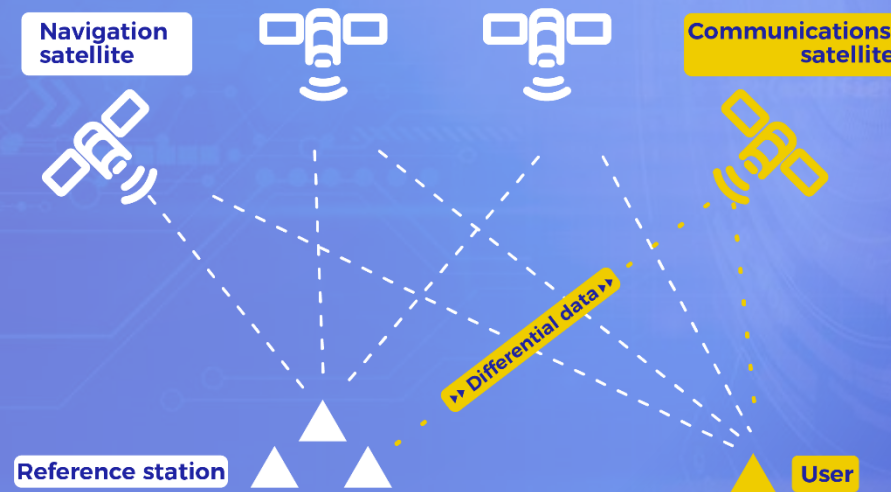


## Support PPP

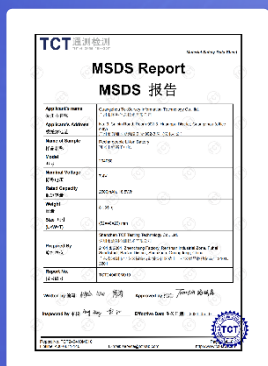
- It can access to the Beidou B2b and Galileo E6b to use the function of PPP.
- The PPP positioning accuracy is about 5 cm, and the maximum accuracy is about 10 cm.
- No base station or CORS station is required; a single GNSS receiver can achieve global high-precision absolute positioning;
- Does not rely on 4G or radio.



The scatter plot of points collected by PPP function



## Complete set of certification



MSDS



UN383

## Support SDK

Convenient for secondary development, P8Global is equipped with a flexible SDK to allow development into industry APPs



# P8Global Portable RTK Receiver

## Application



P8Global



Railway inspection



Site leveling control



Precision agriculture



Utility network inspection



Surveying and mapping



Smart parks

# Contact

Website: [www.toknav.cn](http://www.toknav.cn)

Customer service: [info@toknav.cn](mailto:info@toknav.cn)

Asia | Africa | Oceania

Europe | North & South America

Jeffrey

✉ [jeffrey@toknav.cn](mailto:jeffrey@toknav.cn)

☎ +86 139 2607 5986

Ian

✉ [ian.cheng@toknav.cn](mailto:ian.cheng@toknav.cn)

☎ +1 (323) 847-7713

ADDRESS:

No. 9 Caipin Road, Building B, Room 902-3, Huangpu District, Guangzhou, China 510000

Website: [www.toknav.cn](http://www.toknav.cn) Email: [info@toknav.cn](mailto:info@toknav.cn)