SPECIFICATIONS

Satellite systems ..... **GPS, GLONASS, Galileo, BeiDou**

Frequencies

GPS L1/L2/L5

GLONASS G1/G2/G3

Galileo E1/E5a

BeiDou 2 ..... B1/B2/B3

PPK positioning accuracy

Vertical ..... up to 1 cm + 1 ppm

Horizontal ..... up to 1 cm + 1 ppm

OS .....Windows 7 or above

CPU.....CORE i3

GPU ..... Not required

RAM ..... 4 GB

Storage .....1 GB HDD

I/O Formats ..... JPEG/RINEX/MRK/ TXT/CSV/KML

AUTHORIZED DISTRIBUTION PARTNER

19S112

Hi-Target Surveying Instrument Co. Ltd

ADD: Building 13, Tian'An Technology Zone HQ Center, No. 555,
North of Panyu RD, Panyu District, 511400 Guangzhou, China.
www.hi-target.com.cn +86-20-28688296 info@hi-target.com.cn

Hi-Target

Surveying the World, Mapping the Future

Hi-Target PPK GO

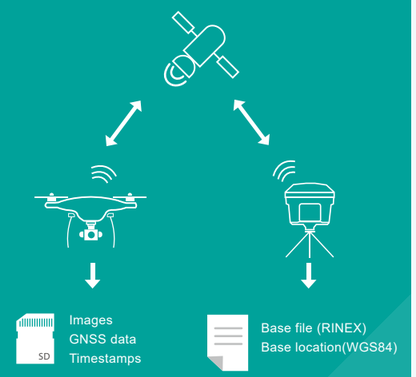
Precision Add-on for Phantom 4 RTK

Hi-Target PPK Go

The Hi-Target PPK Go Precision add-on enables P4R drones to achieve the most accurate and reliable camera positioning data in any coordinate system without measuring targets or GCPs. With up to 2cm accuracy on XYZ, the output text file with position information or geotagged images can be directly used in major photogrammetric mapping or 3D modeling software.

What is PPK?

PPK stands for Post-processing Kinematic and
its typical workflow is as follows:
During the flight, the UAV will geotag coordinates to each image based on its on-board GPS unit. At the same time, a base (a GNSS base station, an aero control point, or CORS network) is also recording highly accurate positional information.
After the flight is over, these two sets of GNSS data are matched up using the photo timestamp. Then the initial, less-than-accurate onboard GPS data is corrected, hence giving the most precise geotags for the imagery.
Since it is a post-processing software, this solution does not require real-time connection to the base. The data can be collected without any losses due to communication issues or low signal range, thus making it more reliable than a real-time RTK solution.



STREAMLINED WORKFLOW

Phantom 4 RTK

Capture & Input

• Auto-detect and load Images/GNSS raw data/ Timestamp/IMU correction from DJI or Yuneec field project.

PPK Go

Georeferencing

• CORS/SBAS/Hi-RTP base data automatic matching.
• 3D lever arm correction.
• Global coordinate system and geoid support.
• Geotagging into image EXIF or exporting text reports for photogrammetry processing software.

3D Survey

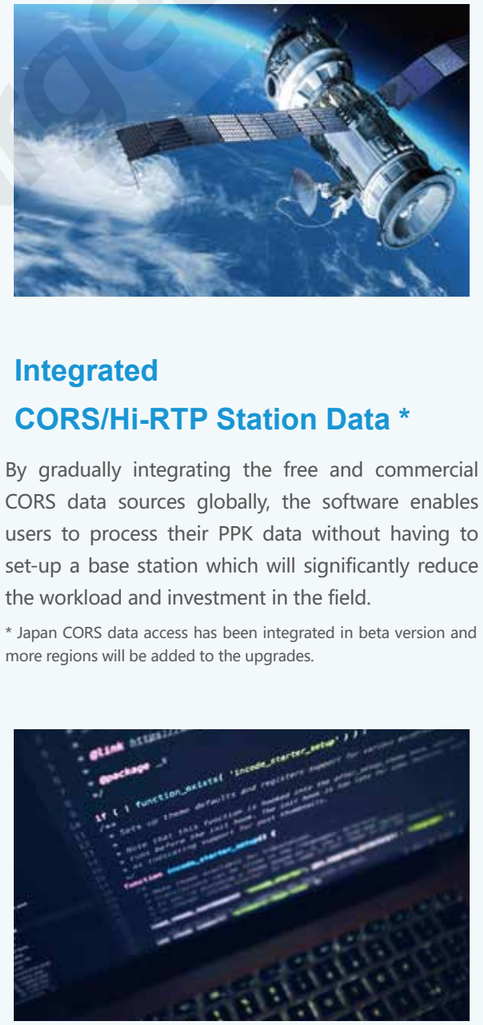
Processing

• Seamlessly compatible with all major stitching, analysis, and modeling tools.
(Such as Metashape, pix4D mapper etc.)

FEATURES

Ultimate Efficiency
Reduced Workload

The PPK method makes it possible to perform high-precision aerial photogrammetry with a single or even zero GCP, which eliminates or shortens the duration of the RTK fix loss. This will greatly reduce the time and cost of field operations to ensure accuracy.



Smart Selection
of Full Constellation

Using the free selection of GPS/GLONASS/Beidou/ Galileo L1+L2+L5 for further parameter adjustments and position calculations in the PPK processing software, ensures the most reliable and accurate camera positioning even with poor single satellite system signals.

Integrated
CORS/Hi-RTP Station Data *

By gradually integrating the free and commercial CORS data sources globally, the software enables users to process their PPK data without having to set-up a base station which will significantly reduce the workload and investment in the field.

* Japan CORS data access has been integrated in beta version and more regions will be added to the upgrades.

PPK Engine & SDK
Support

Hi-Target PPK Go's core algorithm engine and SDK can be used for secondary development to customize PPK solutions for enterprises and individuals.