TERSUS

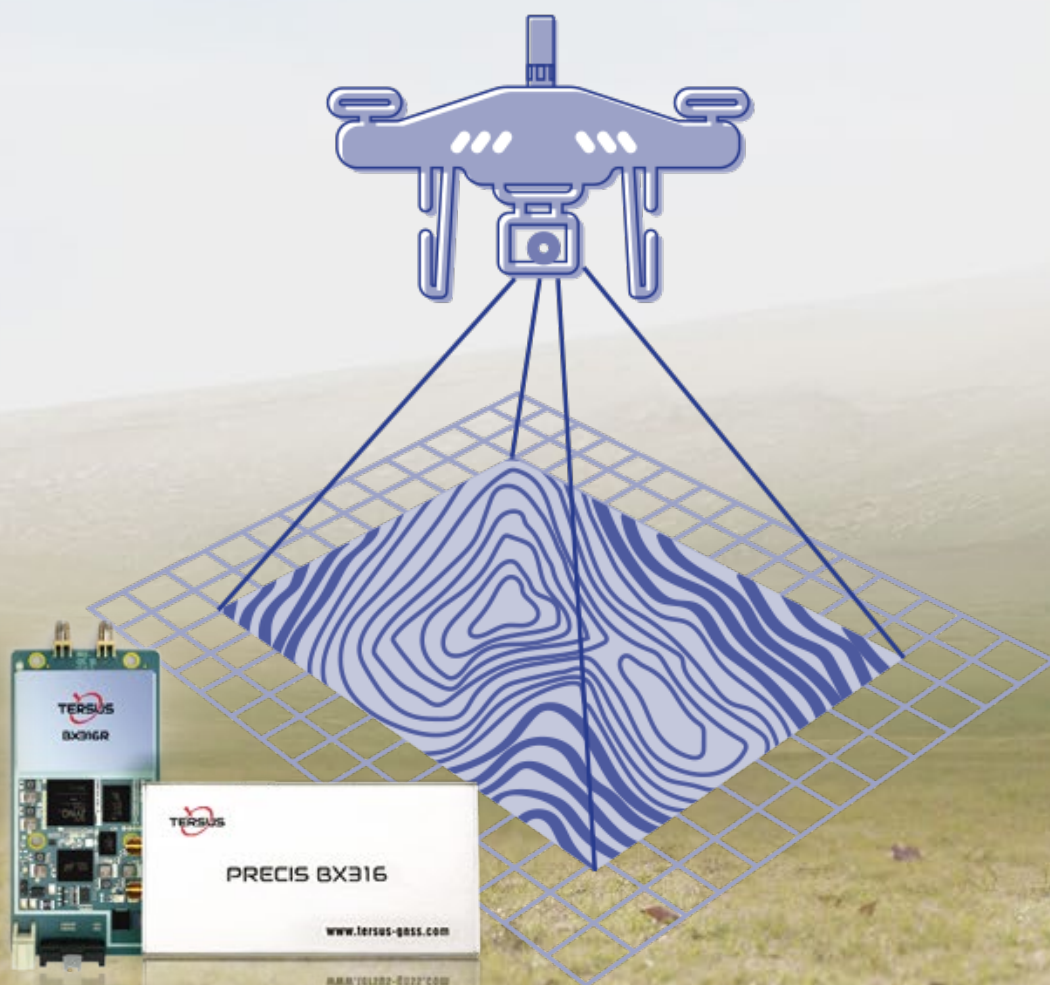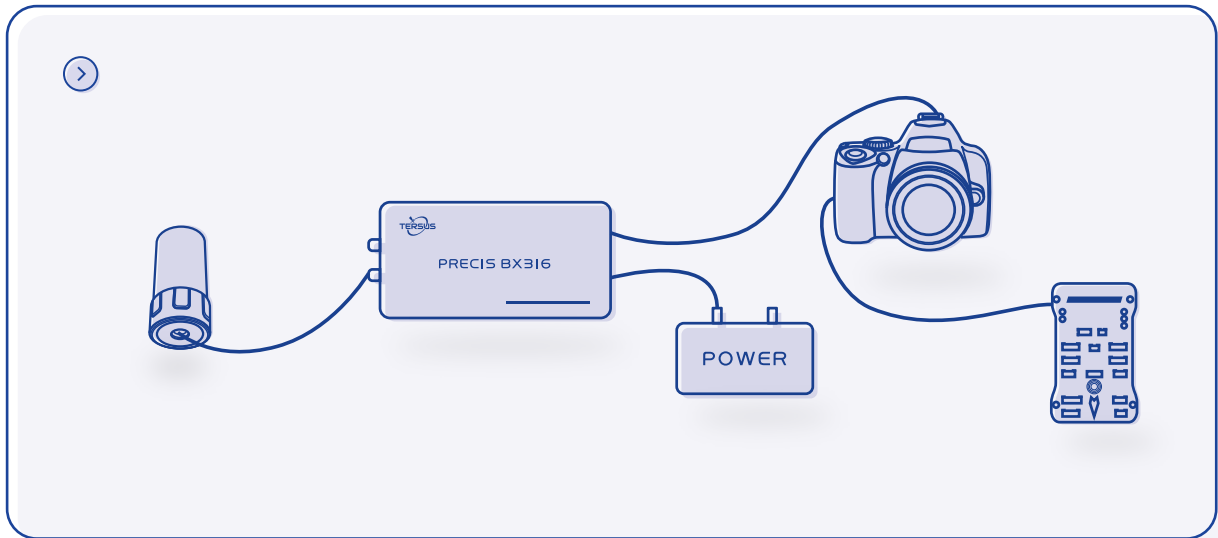## UAV PPK Solution

Tersus UAV PPK solution includes BX316R PPK Receiver, AX3705 Helix Antenna and Tersus GeoPix Software. BX316R PPK Receiver supports multi-constellations and dual-frequencies. It has in-built 4G memory for GNSS observation data recoding. Very small and light AX3705

Helix Antenna is designed for UAV applications. Tersus GeoPix integrates the functions of GNSS observation post processing, Event Mark interpolation and geotagging in EXIF. By clicking one button after input all necessary data, the software will provide the result directly as input for image processing software.

WHY use Tersus PPK solution for UAV photogrammetry

Tersus PPK solution dramatically reduces time and cost. It can significantly reduce ground control points (GCPs) or even eliminate the demand for GCPs. There is no need of real-time RTK correction in this solution. Tersus PPK solution combines forward and backward filter during post processing and it can provide more reliable positioning and higher fixing rate.

Features of Tersus GeoPix

- Simple software interface and simple workflow
- Automatic processing GNSS data and geotagging images by one button click
- Shows the result in trajectory plot and the images on online map
- Provides PPK result in both EXIF and text file
- The result can be directly used by image processing software, i.e., Pix4D, Agrisoft, etc.
- Supports Base Station data from CORS or other brands GNSS Receiver, i.e., RTCM3 and RINEX format
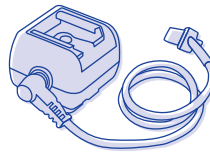
UAV PPK Solution Item List

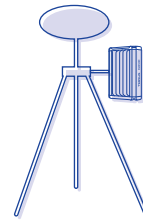BX316R PPK Receiver with cables of power supply, event mark and serial port
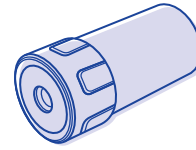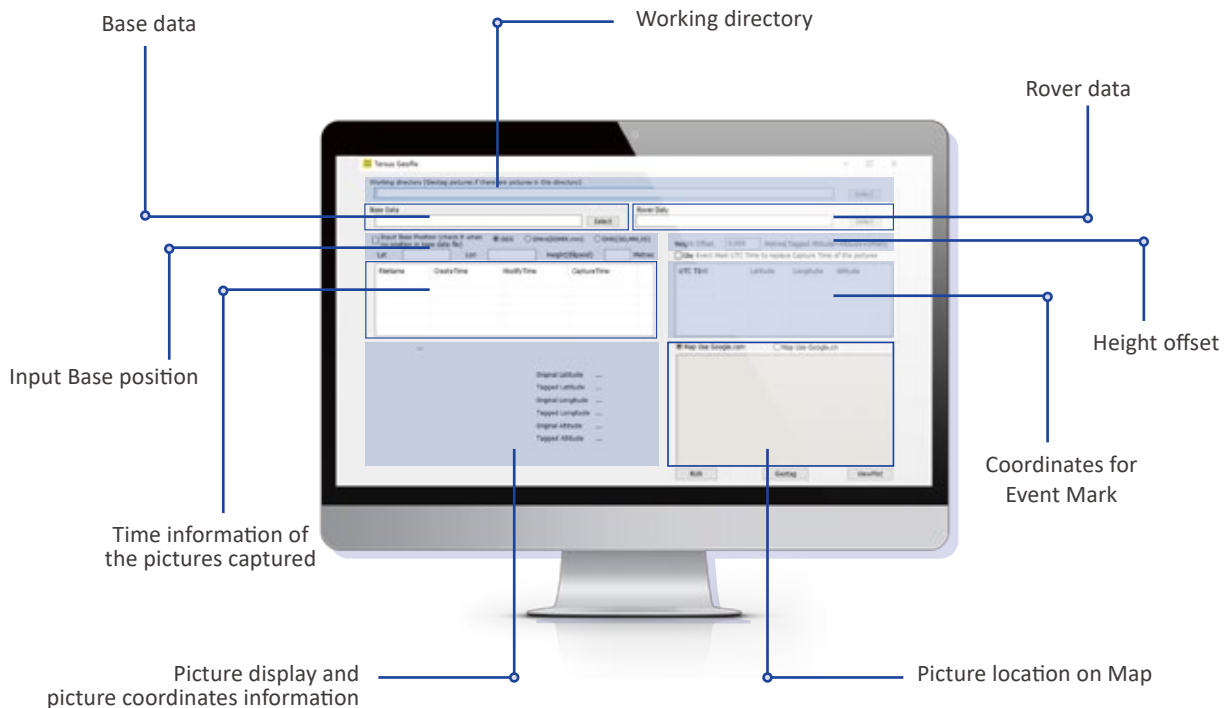

AX3705 Helix Antenna

Tersus GeoPix Software

Hot Shoe adaptor

Tersus GNSS Base Station Receiver (Optional)

Tersus GeoPix

- Base data
- Working directory
- Rover data
- Input Base position
- Height offset
- Time information of the pictures captured
- Coordinates for Event Mark
- Picture display and picture coordinates information
- Picture location on Map

Tersus GNSS Inc.

Affordable Centimeter Precision for Everyone

Tersus is a leading GNSS RTK solution provider. Our engineers have been pioneers in the design of GNSS products to support high-precision positioning applications.

Our products include GNSS RTK & PPK OEM boards and receivers, as well as integrated solutions such as the David GNSS Receiver,NeoRTK, MatrixRTK, GNSS-aided Inertial Navigation System, and AutoSteer System.

Designed for easy and rapid integration, our GNSS solutions offer centimeter-level positioning accuracy and flexible interfaces for a variety of applications including: unmanned aerial vehicle (UAVs), surveying, mapping, construction engineering, and precision agriculture.

To learn more, visit www.tersus-gnss.com

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