



SmartPlanes® Freya RPAS-UAS Drone

GeoTagZ enables a revolutionary new way of surveying. Used in combination with the AsteRx-m2 UAS or AsteRx-m2a UAS receiver it's now possible to achieve centimetre-level RTK ground precision from aerial survey. Using UAVs dramatically reduces time and cost in comparison to traditional ground survey.

Giving aerial survey the edge

The benefits of using GeoTagZ are:

- ▶ No need for Ground Control Points
- ▶ No need for real-time RTK corrections
- ▶ GeoTagZ output provides direct input for image processing software



Increased productivity

Ground Control Points (GCPs) link aerial images to coordinates on the ground, but placing ground control points and surveying their positions is time consuming and expensive. In addition, ground surveys of mines, freshly reclaimed land and other challenging locations may be hazardous if not impossible. GeoTagZ removes the need for GCPs by updating aerial photographs with high-precision camera locations.

Setup, power up and fly

Smaller than a credit card, the AsteRx-m2 UAS and AsteRx-m2a UAS are Septentrio's smallest and most efficient OEM receiver boards. Easy to integrate, they deliver precise multi-frequency, multi-constellation measurements for less than 1 W giving you more time in the air.

Time stamped for accuracy

As well as logging GNSS data, the AsteRx-m2 UAS and AsteRx-m2a UAS record shutter-synchronised events from the onboard camera during aerial survey flights. It is these events which are then used by GeoTagZ to embed RTK-level camera locations in the images.

Ready for processing

Whether using the updated photographs with embedded RTK-level positions or the position data in CSV format, the output of GeoTagZ provides direct input for image processing software.

Let's get started

See for yourself how easy it is to work with GeoTagZ in our instructional video on www.bit.ly/DS_GeoTagZ



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