

Professional drone mapping and surveying requires accurate geo-referencing. Klau PPK offers a premium solution with the most accurate, repeatable and reliable results packaged into an easy to use plug and play hardware and software kit for surveyors.

- SURVEY GRADE ACCURACY
- NO GROUND CONTROL POINTS
- 3CM ACCURACY X,Y,Z
- USE CORS DATA OR SEPARATE BASE STATION
- AVAILABLE FOR MATRICE OR INSPIRE AIRCRAFT
- TRAINING INCLUDED



YOUR LOCAL DRONE SPECIALISTS

DJI Ferntech aims to enable and empower New Zealand surveyors to achieve what was once out of reach. Based in Auckland and Christchurch, our team provide DJI's industry-leading drones and aerial photography systems for various mapping projects across the country.

SUPERIOR SERVICE AND SUPPORT

"After trailing other multi-rotor UAV airframes with PPK, we discovered the DJI Matrice 200 with the Klau PPK attachment. It is a very cost effective package. The M200 airframe is rugged and flies smoothly without incident, and the PPK unit is easy to use. The survey modelling results from the system amaze us every time we fly. But most importantly, the service and support from the team at DJI Ferntech is first class!"

MICHAEL CUTFIELD, SURVEY MANAGER, FLETCHERS

Talk to our Commercial Solutions team today about your project. Call us on **0800 787 623** or email us at info@ferntech.co.nz.



KLAU PPK

CUSTOMISED DRONE SOLUTIONS.
SURVEY GRADE ACCURACY.
NO GROUND CONTROL POINTS REQUIRED.

Klau PPK is a synergy of hardware, software and methodology to add unprecedented accuracy and efficiency to your UAV and manned aerial mapping operations.



Why choose Klau PPK for your project?

Project sites can be time consuming or difficult to access. Using Klau PPK, you don't need to access the site to place ground control points (GCPs). Attach Klau PPK to your drone and blanket your survey with hundreds of virtual control points. No more field work and no RTK radio link. It is reliable, repeatable, accurate and fast.

With Klau PPK, you can geotag your photos in your preferred coordinate system and datum, including localised sites. By utilising Klau PPK, UAVs can cover larger areas faster by reducing the side overlap. Data processing time is significantly reduced thanks to the pre-calibrated cameras that come with the Klau PPK kit for DJI drones.



Use applications

TOPOGRAPHIC SURVEYS

Large area surveys with accurate data across the entire project, more efficient and economical.

CORRIDOR SURVEYS

Powerlines, roads, and infrastructure, surveyed more accurately and reliably.

MINING & CONSTRUCTION

Accurate site snapshots, earthwork, high wall mapping, asbuilt surveys and change detection.

ASSET INSPECTION

Accurately geolocated 3D asset mapping for repeat inspection and fault detection.



Klau PPK features

- 3D lever arm corrections apply offsets and aircraft tilts to produce exact camera positions
- Hot swappable batteries for extended operation
- Use your drone to survey accurate ground check points. No need for additional survey equipment
- Training and support from our specialist team at DJI Ferntech

Our recommendation

We recommend installing the PPK system on the DJI Matrice 200, a powerful aerial imaging tool perfect for surveying tasks in challenging scenarios.

The Matrice 200 series is IP43 weatherproofed rated and is equipped with added on-site safety redundancy features, such as a dual battery system and ESC backup and includes an ADS-B receiver for enhanced airspace safety by automatically providing the operator with real-time information about nearby manned aircraft.

For larger jobs, the Matrice 200 has the ability to extend flight time using high capacity TB55s which can provide up to 35 minutes flying time.