

A UNIQUE WAY TO COLLECT DATA



GPS L1/L2, GLONASS
G1/G2, BEIDOU B1/B2,
GALILEO E1/E5B & SBAS



90g WEIGHT



ONE MINUTE
CONVERSION TIME



ABSOLUTE ACCURACY
WITHIN 6cm



20Hz
UPDATE RATE



**SUPPORTED
AIRCRAFTS**

PHANTOM 4 PRO

DJI M200/210

DJI INSPIRE 2

ELIPSE

SONY CAMERAS WITH HOTSHOES



BAAM.TECH

THE PPK SYSTEM

The PPK is similar to RTK and eliminates the need for a radio link with the aircraft, increasing its reliability. BAAM Tech's PPK system is a multi-constellation system that uses GPS L1/L2 and GLONASS G1/G2, BeiDou B1/B2, Galileo E1/E5b and SBAS constellations allowing rapid acquisition times. The system uses a calibration panel to eliminate the need for external camera calibrations and processing software. It works with any base or CORS station that is at least L1/L2 and GLONASS. It streamlines the mapping process, saving time and increasing mapping accuracy. The system can be removed from the aircraft and reinstalled in any other PPK-capable UAV or Ground Control Rover. **These features eliminate the need for other ground control systems.**

INTEGRATION

After purchasing BAAM Tech's PPK system, attachment brackets need to be soldered onto the aircraft with a direct connection to the shutter. This requires an install by a BAAM Tech dealer and usually takes two business days.

CALIBRATION PANEL

The calibration panel is included with every system and needs to be set up inside of the mission project. Before flying, place the aircraft over the calibration panel and take a photo. This eliminates the need for custom camera calibration in Pix4D or equivalent.

SUPPORTING ELECTRONICS

The base station requires a one-second observation and must support Rinex files. CORS stations must be within five miles of the flying area that is at least L1/L2 and GLONASS. **BAAM Tech offers a low-cost rover to set ground control points or ground control surveys for \$2500.**



WHAT'S INCLUDED

- PPK MODULE
- ATTACHMENT BRACKETS
- CALIBRATION PANEL
- MEMORY CARD
- GPS ANTENNA

THE PROCESS



SET UP BASE



POWER ON AIRCRAFT



PHOTOGRAPH CALIBRATION PANEL



FLY AIRCRAFT



DOWNLOAD DATA INTO BAAM TECH'S PROCESSING SOFTWARE



PROCESS THROUGH PIX4D OR EQUIVALENT

READY TO LEARN MORE?

WWW.BAAM.TECH