

# Applanix POSPac MMS 9

## Now with IN-Fusion+ processing mode & tuned LiDAR QC tools

Applanix® POSPac™ MMS (Mobile Mapping Suite) 9 is Trimble's next generation of industry leading GNSS-Aided Inertial post-processing software for georeferencing data collected from cameras, LIDARs, multi-beam sonars and other sensors on mobile platforms.

Applanix POSPac MMS is optimized for all environments and platforms (air, land, marine) and compatible with a variety of mapping sensors. This smart software solution achieves both, maximum accuracy and efficiency for Direct Georeferencing. The cloud-based version of Applanix POSPac is available and supports data from crewed airborne, uncrewed airborne and mobile mapping missions. The interface to the cloud service is via API and all POSPac desktop functionality is supported in the cloud.

### Use Trimble RTX technology

Using Trimble® RTX® technology, POSPac MMS 9 delivers significant benefits for mobile mapping from land, air, marine and UAV platforms:

- Achieve centimeter-level accuracy within minutes after data collection with just an internet connection – no need to set up base stations, no need to wait for delivery of public-domain ephemeris data
- Map inaccessible regions that have no existing Continuously Operating Reference Stations (CORS) without the cost of deploying local base stations
- Automatically survey in dedicated base stations direct from POSPac – streamline map production workflow

### Applanix IN-Fusion+ processing

The new Applanix IN-Fusion®+ processing provides improved performance through the usage of the multi-satellite and multi-frequency GNSS constellations supported by the latest hardware- and firmware generation. IN-Fusion+ is first available for Single Base processing of mobile mapping data and for PP-RTX 2 processing of uncrewed airborne data (also supported in POSPac UAV).

### About Trimble RTX

Trimble RTX is a proprietary GPS, GLONASS, GALILEO, BeiDou and QZSS enabled technology that provides high accuracy GNSS positioning worldwide without the use of traditional local base stations or a VRS network. By combining real-time data from a global reference station infrastructure with innovative positioning and compression algorithms, Trimble RTX technology computes centimeter-level positions based on satellite orbit and clock information.

### LiDAR QC tools

Applanix LiDAR QC Tools are a set of POSPac software tools to achieve the highest level of georeferencing accuracy with LiDAR sensors, supporting boresight calibration between IMU and LiDAR sensor, trajectory adjustment and LAS file point cloud generation. The main goal is to create a consistent and homogenous point cloud and a corrected vehicle trajectory using the LiDAR data as an aiding sensor.

### Deliveries

- Boresight Angles
- Adjusted Trajectory (Corrected SBET)
- Accurate and matching Point Cloud (LAS)
- PCDA statistics for quality check (LOG)

## Key Features

- Post-Processed Trimble CenterPoint® RTX trajectory processing (PP-RTX/PPRTX 2)
- Automatic base station survey using static RTX Survey In function
- IN-Fusion+ – the new engine for Mobile Mapping or UAV data
- Network License Support – share a single license across a network
- Initialize without GNSS (in Dead-Reckoning) incl. PFix Support
- LiDAR QC Tools for boresight calibration and trajectory adjustment
- Windows® 11 support
- Applanix SmartBase™ concept with > 9,000 supported base stations worldwide
- Batch Processing for automation and higher productivity
- Term License (annual) to reduce upfront cost

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