

General Workflow for DJI L1/L2

1. Import

- Raw Missions:
performs trajectory
processing through
Cloud without DJI
Terra desktop
- Processed Missions:
import missions
from DJI Terra

2. Create Flight Lines

3. Post-Processing

Optional Steps:

- 4. Strip Align
- 5. Ortho Mapping

How to Process L1 Data in LP360 –
Video tutorial



LP360 Drone User Guide – contains all
sensor processing workflows



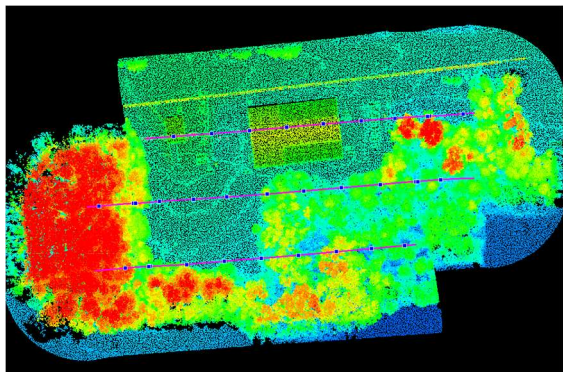
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Processing DJI L1/L2 in LP360

In this exercise, we will review the
workflow for processing DJI
L1/L2 mission using LP360.



LP360



Importing Raw or Processed L1/L2 Missions

LP360 now provides the ability to import raw L1/L2 missions as well as missions processed in DJI Terra.

When importing the raw missions, be sure to check the RTK/PPK Mode and select the Reference Mark. After import, on the DJI ribbon you will need to run **Trajectory Processing**



using corresponding Base Stations.

When importing the processed missions, you will need the output folder from DJI Terra and the CRS.

Flight Lines and Post-Processing

LP360 offers the ability to generate flight lines automatically or manually depending on your needs.



In the **Auto Create Flight Lines** tool, 3 parameters can be set to generate flight lines for the entire cycle



The **Manual Flight Lines** tool is useful when a single flight line (or more) may have a complex pattern that the parameters of the automatic tool can't match.

Using the Post-Processing Tool

The Post-Processing tool can be used with any sensor type imported into LP360. The purpose of this tool is to prepare the data for later processing (classification, derivative products, etc.) by creating a trajectory file for each of the new flight lines, then generating a new LAS layer. This tool can be helpful when processing large datasets.



Optional Steps

LP360 can be used to reproject the data to various coordinate reference systems and clean up LiDAR data, plus utilize the extensive capabilities of LP360 for strip alignment, classification, vectorization, and derivative product generation.



The **Strip Align** tool allows user to perform adjustments between each of the given flightlines to improve the alignment of the overall point cloud. To verify a need for Strip Align, see the following options below:

- Locate flat areas or buildings that can be found in the overlap between flight lines, then use the **Draw a Profile** tool  to view a cross section.
- Use the **Surface Precision** tool found on the QA/QC Ribbon in LP360 to identify locations along your LAS data that may not be aligned well or that may have noise that could impact the quality of your final products.



RGB Maps can be generated using the **Ortho Mapping** tool, while more detailed Orthos can be generated using the **Agisoft Ortho Mapping** tool.

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