



LIMAPPER

Aerial Photogrammetry Software



GreenValley International

LiMapper

The state-of-the-art photogrammetry & computer vision algorithms integrated in the software enables users to automatically reconstruct geometric structures by overlapping aerial photos or multispectral images. LiMapper can generate a series of industry-standard photogrammetry products such as dense cloud, DEM/DSM & TDOM (true orthomosaic). Furthermore, functions such as bundle block adjustment, camera self-calibration & stitch line editing are also provided for improving workflow productivity & accuracy.

Multi-source images supported

— Supports image sources from nadir, oblique, and multispectral cameras.

High processing speed

— Finish processing 1200 photos (8688*5792 pixels) in 1.8 hours.

— Finish processing 639 photos with 5 spectral bands each in 3 hours.

(Computer specs: CPU: Intel® Xeon® E5-2690 V3 @2.6GHZ (24 cores); Graphic card: NVIDIA Quadro K4200; RAM: 96G)

Streamlined workflow

— Process and generate results in one-step workflow: Create new project → Load photos → Select outputs.

Surveying accuracy

— Supports importing GCPs (Ground Control Points) and MTPs (Manual Tie Points) to improve mapping accuracy.

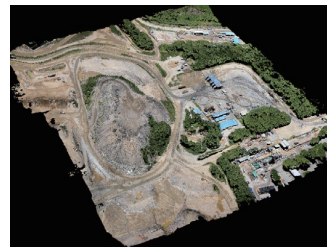
— Supports importing checking points to generate professional accuracy report.

Process Nadir and Oblique Photos

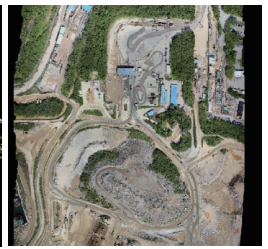
LiMapper supports data sources from both nadir and oblique photos. The true orthomosaic and other products can be used in geological disaster monitoring, surveying, forestry analysis, environmental management and other applications.



Nadir photos – Disaster monitoring



Oblique photos – Terrain mapping



Processing Multispectral Photos

LiMapper supports processing multispectral imagery and exporting orthomosaic imagery with multi-bands.

