

Quality Report

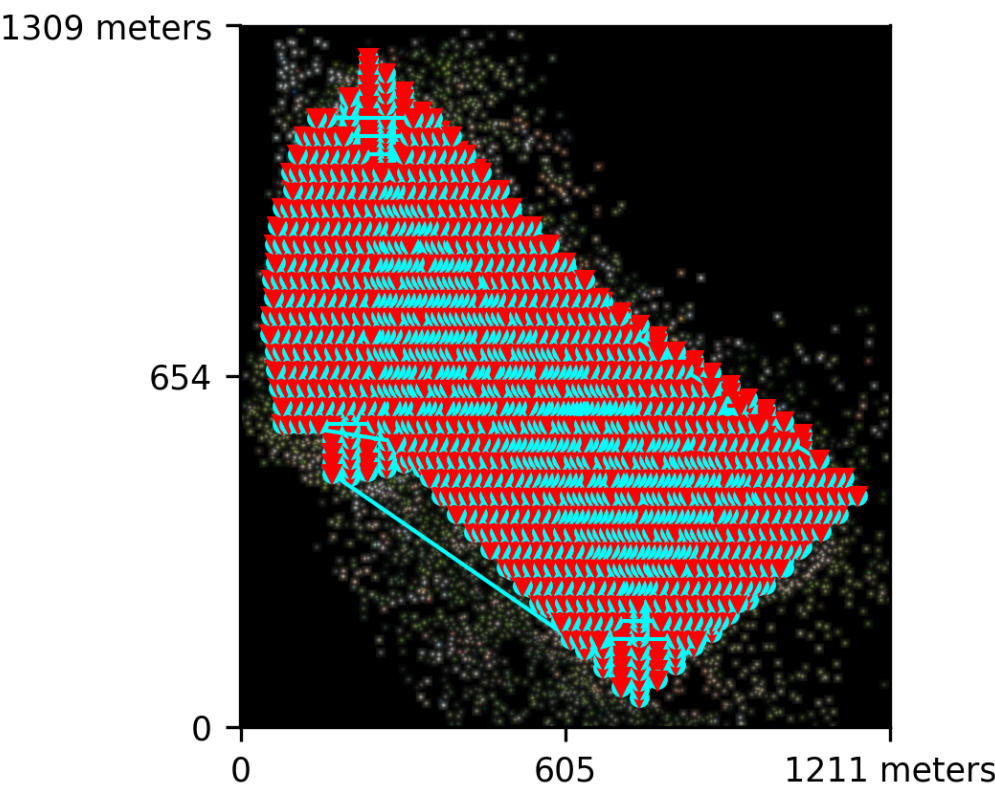
Processed with LGT Engine version 4.0.1

Dataset Summary

Date	05/11/2025 at 06:57:50
Area Covered	1.309499 km²
Processing Time	8.0h:8.0m:51.0s
Capture Start	27/10/2025 at 11:02:26
Capture End	27/10/2025 at 12:02:33
Coordinate Reference System	WGS 84 / UTM zone 23S

Processing Summary

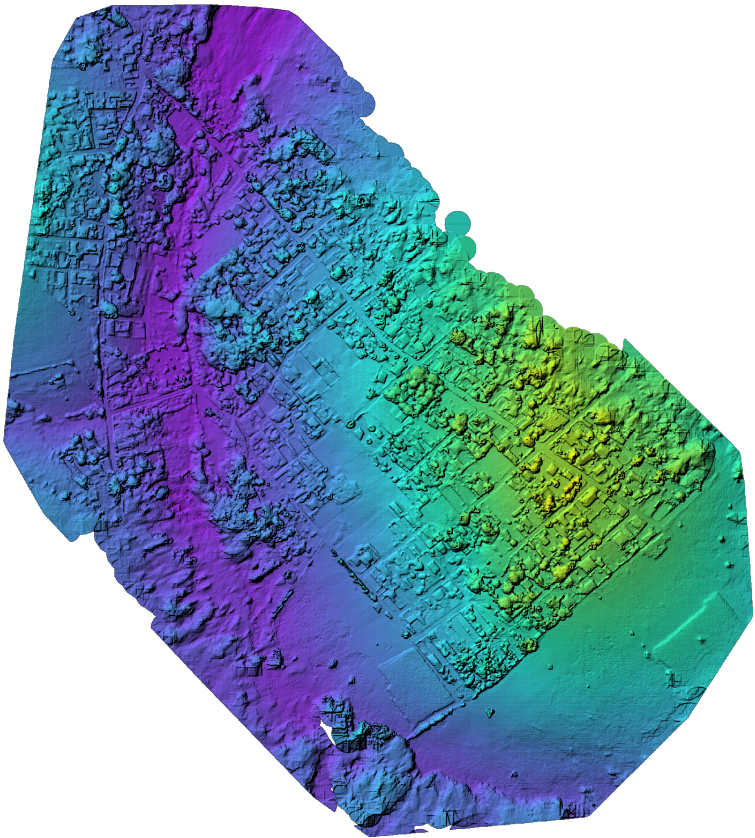
Reconstructed Images	2904 over 2904 shots (100.0%)
Reconstructed Points (Sparse)	2924724 over 3021475 points (96.8%)
Reconstructed Points (Dense)	156,873,193 points
Average Ground Sampling Distance (GSD)	2.2 cm
Detected Features	10,000 features
Reconstructed Features	4,661 features
Geographic Reference	GPS and GCP
GPS / GCP errors	0.10 / 0.03 meters



Previews



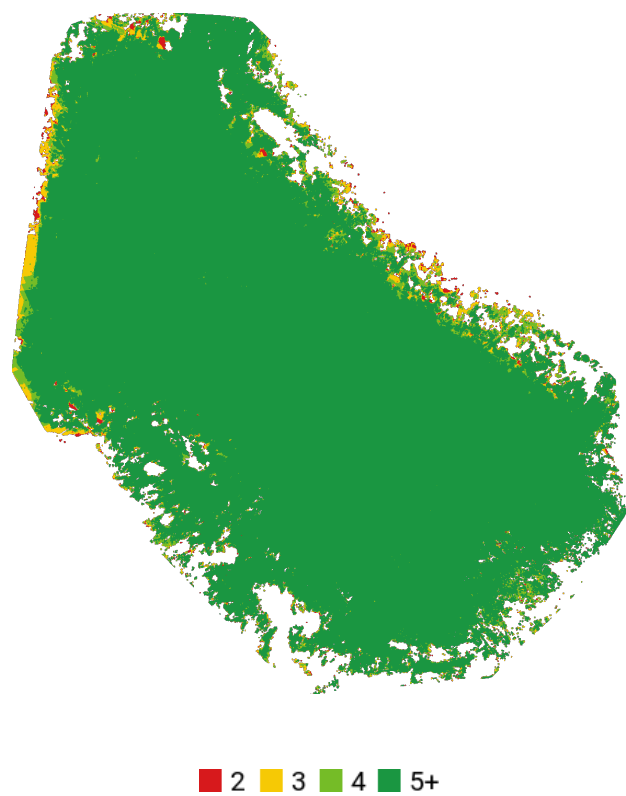
Orthophoto



Digital Surface Model



Survey Data



GPS/GCP/3D Details

GPS	Mean	Standard Deviation	RMS Error
X Error (meters)	-0.021	0.470	0.471
Y Error (meters)	-0.020	0.071	0.073
Z Error (meters)	0.005	0.172	0.172
Total			0.104

GCP	Mean	Standard Deviation	RMS Error
X Error (meters)	-0.003	0.015	0.015
Y Error (meters)	0.002	0.012	0.012
Z Error (meters)	-0.002	0.034	0.034
Total			0.035

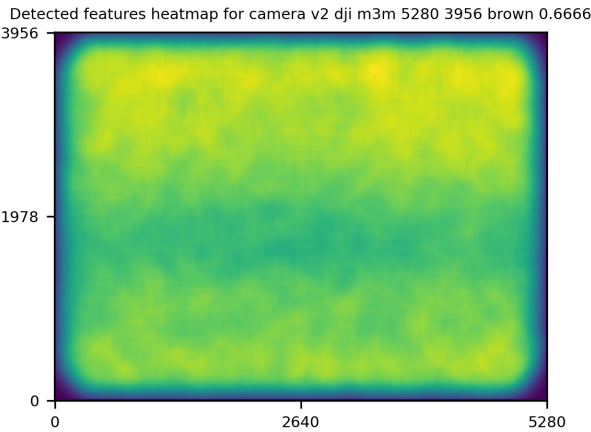
3D	Mean	Standard Deviation	RMS Error
X Error (meters)	0.327	0.776	0.842
Y Error (meters)	0.365	1.020	1.083
Z Error (meters)	0.291	0.507	0.585
Total			0.646

Accuracy	Absolute	Relative
Horizontal CE90 (meters)	0.029	1.328
Vertical LE90 (meters)	0.049	0.717

Ground Control Points

ID	Error X (m)	Error Y (m)	Error Z (m)
10	0.010	0.026	0.018
5	0.011	0.003	0.008
0	-0.030	0.003	-0.061
1	0.010	-0.012	0.005
9	-0.006	-0.008	0.030
8	0.007	0.004	0.034
3	-0.000	-0.009	-0.017
2	0.008	-0.004	-0.013
7	-0.007	-0.003	-0.059
4	-0.028	0.023	0.039

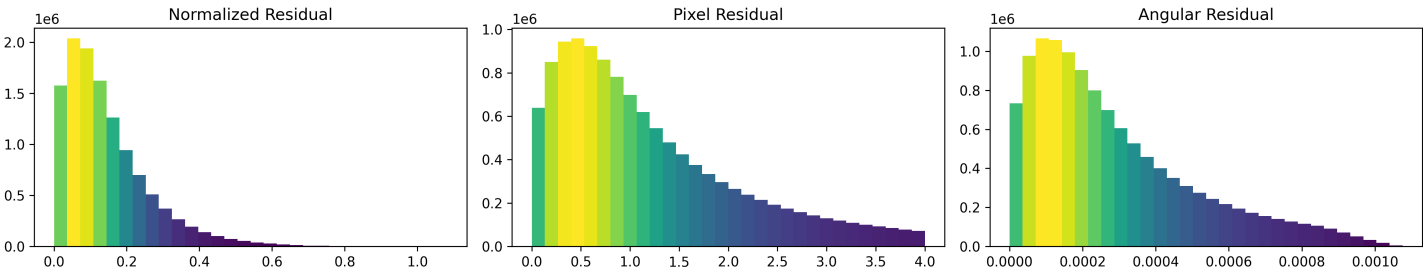
Features Details



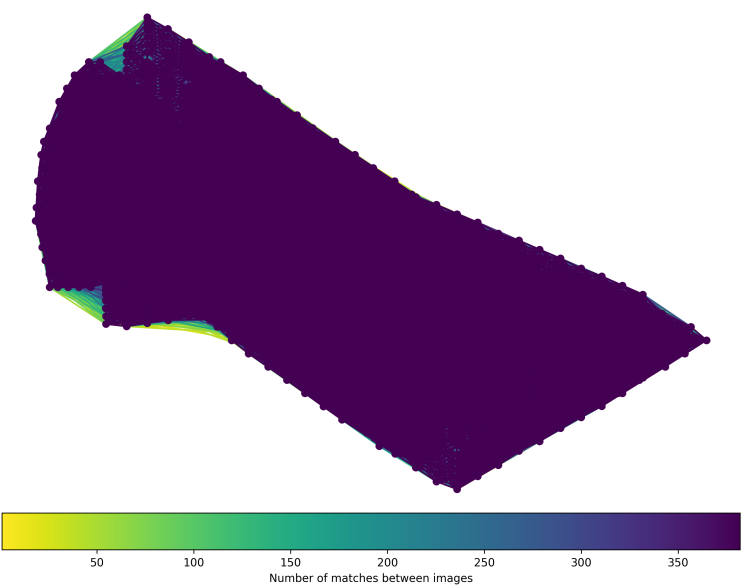
	Min.	Max.	Mean	Median
Detected	10000	10000	10000	10000
Reconstructed	1132	7140	4583	4661

Reconstruction Details

Average Reprojection Error (norm / pixels / angular)	0.14 / 1.18 / 0.00029
Average Track Length	4.55 images
Average Track Length (> 2)	7.30 images



Tracks Details



Length	2	3	4	5	6	7	8	9	10
Count	1516167	522909	247571	142292	92412	64790	49152	37779	30535

Camera Models Details

v2 dji m3m 5280 3956 brown 0.6666

	k1	k2	k3	p1	p2	focal	aspect	cx	cy
Initial	0.0000	0.0000	0.0000	0.0000	0.0000	0.6667	1.0000	0.0000	0.0000
Optimized	-0.1086	0.0002	-0.0158	-0.0000	0.0002	0.7045	1.0000	-0.0007	-0.0028

