

Metashape processing productivity benchmarks

Project parameters:

Camera - FC6310 (8.8mm);
 Area - 1.35 sq.km; Images - 100;
 Image size – 7.5MB (4864 x 3648);
 Side/Forward overlap - 70%;
 Flight altitude – 320m; GSD – 8 cm;

	GPU	CPU	Metashape 16GB	Metashape 16GB	Metashape 32GB	Metashape 32GB
OS			Windows	Linux	Windows	Linux
GPU type			TESLA T4	TESLA T4	TESLA T4	TESLA T4
GPU			1	1	1	1
vCPU			4	4	8	8
RAM			16	16	32	32
Metashape processing						
Match Photos	v		2m 7s	1m 47s	1m 59s	1m 47s
Align Cameras		v	2m 0s	2m 38s	1m 12s	1m 58s
Depth Maps	v		48m 0s	37m 15s	37m 55s	32m 11s
Dense Cloud		v	2h 5 m	1h 44m	1h 9m	56m 28s
DEM		v	11m 35s	4m 52s	9m 23s	3m 51s
Orthomosaic		v	12m 12s	7m 39s	8m 15s	6m 28s
Total time			3h 21m	2h 38m	2h 8m	1h 43m
Total price			\$9.84	\$8.02	\$7.94	\$8.54

	GPU	CPU	Metashape 244GB	Metashape 244GB	Metashape 488GB	Metashape 488GB
OS			Windows	Linux	Windows	Linux
GPU type			TESLA M60	TESLA M60	TESLA M60	TESLA M60
GPU			2	2	4	4
vCPU			32	32	64	64
RAM			244	244	488	488
Metashape processing						
Match Photos	v		1m 39s	1m 30s	1m 27s	1m 13s
Align Cameras		v	38s	1m 25s	50s	1m 24s
Depth Maps	v		28m 24s	24m 30s	28m 38s	17m 9s
Dense Cloud		v	43m 22s	29m 25s	52m 46s	31m 31s
DEM		v	6m 16s	3m 3s	5m 42s	3m 1s
Orthomosaic		v	6m 31s	6m 17s	7m 1s	6m 13s
Total time			1h 27m	1h 6m	1h 37m	1h 0m
Total price			\$10.02	\$9.97	\$18.85	\$18.42



	GPU	CPU	Metashape 192GB
OS			Linux
GPU type			TESLA T4
GPU			4
vCPU			48
RAM			192
Metashape processing			
Match Photos	v		1m 0s
Align Cameras		v	1m 20s
Depth Maps	v		8m 37s
Dense Cloud		v	22m 29s
DEM		v	3m 0s
Orthomosaic		v	6m 37s
Total time			43m
Total price			\$19.75