simactive
HIGH-END PHOTOGRAMMETRY SOFTWARE

CORRELATOR3D DISTRIBUTED PROCESSING EXAMPLE

Using multiple PCs to speed-up the completion of large projects
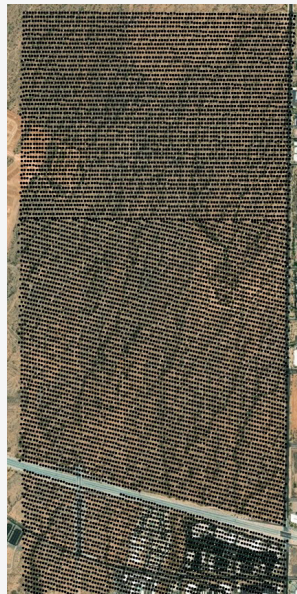
Project Characteristics
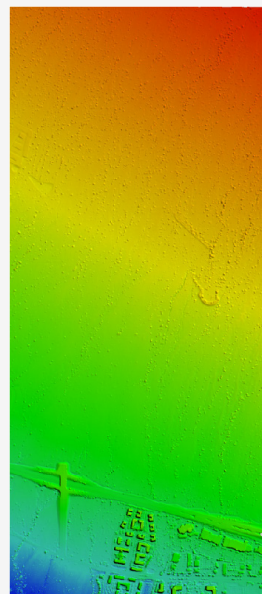
12,000 Sony RX1 (42 MP) Images

GSD (0.60 inches / 1.5 cm)

VTOL Fixed-Wing Drone

PCs with Intel i7, GPU NVIDIA GeForce RTX 3060, SSD, and 16 GB RAM

Overview

DSM

Mosaic

Processing Times

	1 PC 🖥	2 PCs 🖥🖥
Aerotriangulation	04h38m07s	02h18m43s
DSM / Point Cloud Generation	09h15m55s	04h36m22s
Orthorectification	01h53m12s	00h56m01s
Mosaic	02h42m32s	02h42m32s
Total	**19 hours**	**10 hours**

Summary

- Speed increase from using 2 PCs

  _____ **1.9 x**

- 12,000 images @ 42 MP processed in under

  _____ **10 hrs**

- Time savings

  _____ **9 hrs**

Benefits of Distributed Processsing

Significantly accelerate processing speed

Deliver larger projects faster

Profit from the computing power available on your network