

Unmanned Aerial Vehicle (UAV) Survey

The Global Force with a Personal Touch



Unmanned Aerial Vehicle (UAV) Survey combines aerial and terrestrial photogrammetry. It is a low-cost alternative to the classical manned topographic surveys and with comparable accuracy.

- Ideally for site inspection, survey planning, topographic survey and mapping
- Obtain Digital Surface Models from instant snap shots
- Provide an accurate assessment, geo-reference features
- Easily generating a wide range of reports with different professional software e.g. Makai, AutoCAD, ArcMap....
- Cost-effective, versatile and almost zero-cost in mobilization.
- Piloted by licensed/trained operators. Private Pilot License based on recognized syllabus by the Hong Kong Civil Aviation Department

NAME	Phantom 3 Professional	TYPE	Unmanned Aerial Vehicle (UAV)
Weight	1,280g	Max Ascent Speed	5m/s
Max Descent Speed	3m/s	Max Speed	15m/s
Controllable Range	• Pitch -90° to +30° • Stabilization 3-axis	Camera Sensor	Sony EXMOR 1/2.3" Effective pixels: 12.4 (total pixels: 12.76M)
Lens	FOV 94°20mm (35mm format equivalent)	Shutter Speed & Image size	• 8s-1/8000s • Image Max size: 4,000 x 3,000
Horizontal Accuracy	+/- 3cm - 7cm	Vertical Accuracy	+/- 10cm - 20cm

The EGS Group

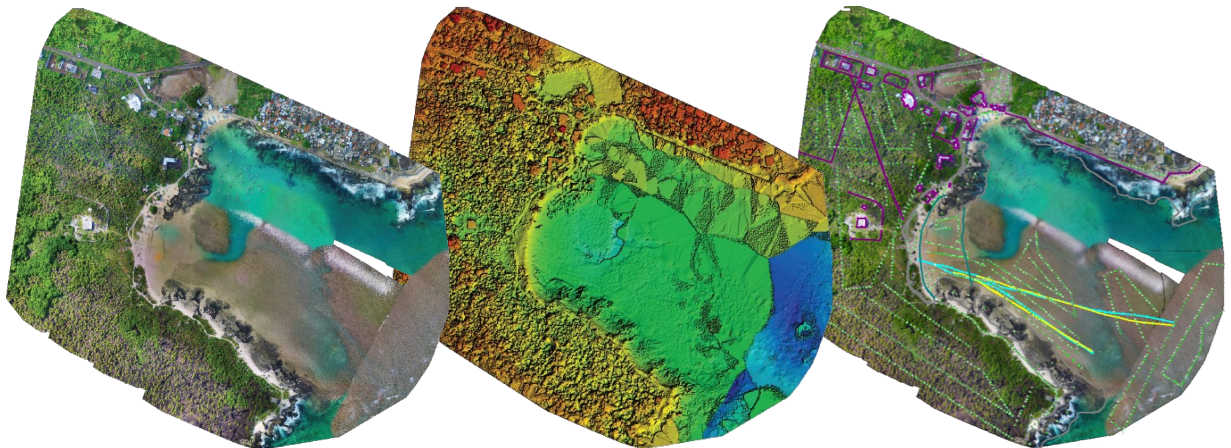
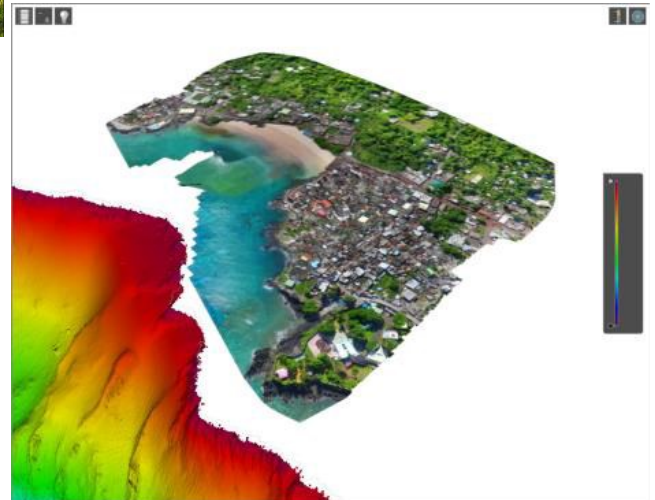
Deliverables:



Color Point Cloud Model

Geo-referenced aerial photos associated with the processing by Pix4D, generating a major project: The Point Cloud Model (PCM).

PCM's spur products are Digital Surface Models, Digital Terrain Models, Topography Plans, Earthwork Computation, 3-D flythrough Maps...



Aerial Mosaic

Giving a seamless overview for a desired area. Advantageous bird's-eye surveillance for conducting site reconnaissance, monitoring progress and Overcoming obstructions

Aerial Mosaic (Geo-referenced)

Combining data from different sources into 1 integrated geo-referenced aerial mosaic to facilitate cost-effective design, evaluation, evolution and monitoring of projects.