Pix4D 3 Day Public Safety Training – Course Outline

Learning Objectives:
By the end of this training each attendee should have an understanding of the following concepts:

- Photogrammetry
- Image Capture
- Georeferencing
- Verifying Accuracy
- Data processing
- Outputs/workflow
- The Quality Report and Processing Options

Each attendee should be able to execute the following:

- Create a new project
- Mark ground control points (GCPs) and reoptimize the project
- Create and edit the point cloud
- Create and edit the ortho-mosaic
- Generate outputs
- Implement of Scale and Orientation Constraints, Image Annotations, the Clipping Box, & an Ortho Plane
- Merge multiple projects by optimizing common manual tie points
- Import Total Station / RTK data for use as GCPs, or for measurements
- Orbit / low altitude orbit flights
- Export of Pix4D files for use in the most common 3rd party software

Pix4D Capture Application

- User Interface
- Flight set up
- Single grid (2D)
- Double grid (3D)
- Orbit
- Determining flight altitude for optimum GSD