Airborne Innovations LLC

FlightMosaic

Aerial Mosaicing software

Airborne Innovations introduces the FlightMosaic mosaicing software system.

The software processes UAV or other aircraft metadata and raw images into orthocorrected images. This software vastly lowers the barrier to entry for precise geocorrection capabilities.

Images can be postprocessed or processed as they are acquired. A 3D interface is available for selecting images to mosaic. Full control of camera calibration parameters is available.

FlightMosaic Features:

- **Postprocessed image mosaicing**
- **Near realtime mosaicing features**
- **Orthocorrection (oblique image correction)**
- **Terrain correction (DTED/SRTM)**

3D user interface for interactive image selection

Also included:
3D image acquisition simulator (works in conjunction with aircraft simulations such as Cloud Cap's)
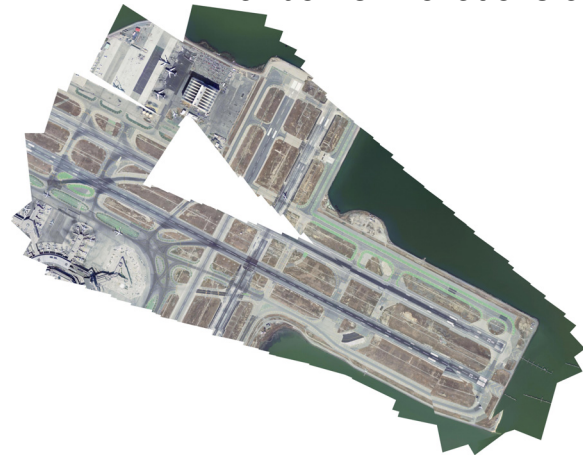Realtime camera footprint display on 3D terrain
3D interface aircraft view matching or simulation

3D 'Google Earth'-like 'surface map click' to sensor point of interest gimbal control (click on a location in a 3D terrain mapping interface and the aircraft camera gimbal points at that location)
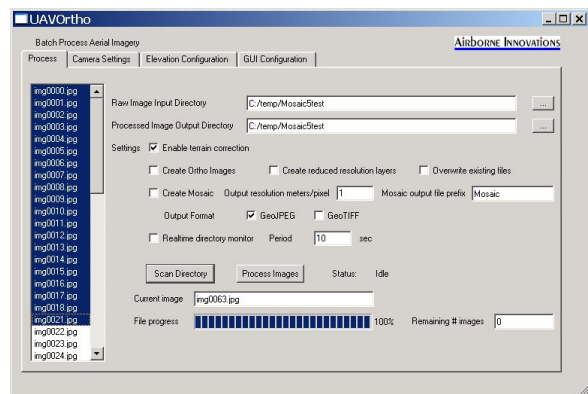
Coming soon:
Near realtime 3D visualization of acquired images
Full imaging integration with the Cloud Cap TASE gimbal

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