IMAGINE AUTOSYNC™
Automated Georeferencing for highly accurate data production

IMAGINE AUTOSYNC™ GEOREFERENCING TAKEN TO A NEW LEVEL

• Wizard workflows for both Georeferencing and Edge Matching

• Embedded viewers and tools in the workstation provide rapid review of results

• Support for all ERDAS IMAGINE® supported sensor models*

• Rubber Sheeting and Polynomial support for Edge Matching

*SOME MODELS REQUIRE AN IMAGINE ADVANTAGE® LICENSE.

IMAGINE AUTOSYNC™ – GEOREFERENCING MADE EASY

Change detection, resolution merge and mosaicking are examples of processes requiring tightly aligned images so that artifacts from poor image registration do not arise as a byproduct of processing. IMAGINE AutoSync™ provides automatic image registration allowing users of all skill levels to generate data free of misalignment issues.

IMAGINE AutoSync is part of the IMAGINE Expansion pack available for ERDAS IMAGINE® that gives users the capability of generating highly accurate geometric models from two or more images of potentially dissimilar type, such as data from different sensors or with different resolutions. This method can be used to improve the registration between already georeferenced data sets, or it can be used to correlate new raw imagery to an existing georeferenced image base to quickly georeference the raw imagery. IMAGINE AutoSync generates thousands of tie points between the images automatically allowing for the output images of the process to align more closely with the initial reference image. This Is ideal for applications like vintage aerial

photography where Camera parameters are not available.

A second workflow, Edge Matching, allows for a localized model to be applied in the overlap region of image pairs. Using a process similar to the first, tie points are generated in the region of overlap to pull misaligned features into alignment.

Users can choose between using the IMAGINE AutoSync Wizards and the IMAGINE AutoSync Workstation:

IMAGINE AUTOSYNC™ WIZARDS

Set up the process, push start and walk away! The IMAGINE AutoSync Wizards allow users to create jobs to be run automatically through the Georeferencing and Edge Matching workflows. Wizard jobs can even be batched to run at a later time.

IMAGINE AUTOSYNC™ WORKSTATION

The workstation is where a few initial points are collected to establish a base relationship between referenced imagery and raw image frames that need to be georeferenced for the "raw workflow". After collecting a few points, start the sync process to generate more tie points across the image(s). With the workstation, users can also rapidly review the control points, view a report on the process and preview output images.

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