

## IMAGINE AutoSync

### Product Summary

**IMAGINE AutoSync** is a new **add-on for ERDAS IMAGINE 9** that takes two (or more) images of potentially dissimilar type, such as IKONOS and SPOT5, automatically generates thousands of tie points between the images, producing a geometric model which ties the images together with high accuracy. 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.

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.

### Product Overview IMAGINE AutoSync

Both the **georeferencing** and **edge matching workflows** can be set up through wizards that allow for the specification of inputs, the parameters of processing and output, or workflows can be set up and launched from the Workstation. With the **IMAGINE AutoSync** Workstation, the embedded viewers and tools allow for the rapid review of results. The workstation is also 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 process to generate more tie points across the image(s).

#### Features:

- Wizard Workflows
- Workstation for reviewing results and previewing output
- Support for Affine, Polynomial, Rubber Sheeting, RPC, Orbital Pushbroom and Direct Linear Transform (DLT) for Georeferencing workflow\*
- Rubber Sheeting and Polynomial support for EdgeMatching

\*Orbital Pushbroom and RPC require an IMAGINE Advantage License.

**IMAGINE AutoSync is Windows only** and only available for the IMAGINE V.9.x software. It will run as an **add-on module to any ERDAS IMAGINE level** with the model limitations listed above.