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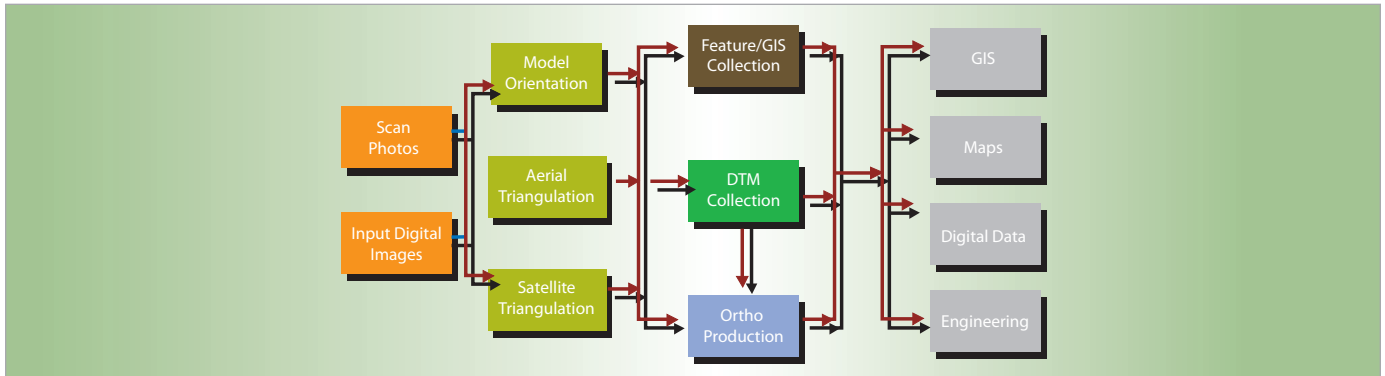
ImageStation® 5.2 Suite

Intergraph® continues its commitment to provide an integrated and optimized photogrammetric platform with the power of our ImageStation® suite. The 5.2 release provides you with the photogrammetry capabilities you need to increase data volumes, reduce costs, and improve the quality of delivered data. Built on Intergraph's industry-leading technology platform, this release includes several enhancements to make your photogrammetric workflow more productive.

Our ImageStation suite serves government, commercial photogrammetry, and mapping agencies worldwide by enabling users to process digital photogrammetry workflows from project creation to orientation and triangulation, 3D feature collection and editing, Digital Terrain Model (DTM) collection and editing, and orthophoto production using aerial and satellite sensors.

With ImageStation, you get seamless integration of hardware and software that has made the product line the choice of production mapping agencies and firms throughout the world.

INCREASING DATA PROCESSING VOLUMES AND QUALITY

As data volume increases, so does the challenge of making processing faster and better. By reducing the time required for bulk single photo resection in this release, you can achieve higher throughput with less processing time for large projects.

This release also gives you the capability to correlate DTM points from many models and write them to a single design file, creating a single surface across a larger area. This produces more accurate ortho footprints from any terrain, and enables more efficient processing.

Features can now be exported to and imported from an ASCII file, allowing you to efficiently change symbology in your choice of text editors. It also allows you to ingest new project symbology specifications

in text format, speeding up the feature definition process. You can now select previously used command sequences for ortho map production, reducing duplication of effort by providing template parameter sets.

Improving the quality of delivered data adds more value to your photogrammetric projects. That is accomplished with features such as more GPS/IMU options during triangulation, more intelligent probing of underlying surface data during the rectification process, automatic classification of seamline quality, and graphical selection of a group of seamlines for editing.

REDUCING COSTS

ImageStation 5.2 reduces costs associated with your photogrammetric workflow by optimizing the time spent on each project. This includes more robust seamline processing, giving you the ability to import data containing wider types of geometry. The ability to better determine rectification areas eliminates redundant processing. Large amounts of data can be loaded into dialogs significantly faster, reducing the time it takes to set up a project.

New utilities for converting ASCII and Que files to DTM format and LiDAR elevation data to DTM files are now available using batch command line key-ins, reducing the time for DTM preparation. In addition, the ortho map production process has been made more cost effective by moving tone balancing to a separate command, allowing multiple deliverable formats to be created without repeating the tone balancing process for each product. A new option for checking online data access makes rectifying, dodging, and mosaicking orthos significantly faster.

EVOLVING TECHNOLOGY

Intergraph has a long history of providing state of the art software to commercial photogrammetry and mapping agencies throughout the world. Ever-changing industry technology continues to drive our product development to meet customer demands. Some new features of the ImageStation 5.2 release include:

- Support for the latest LiDAR format (LAS 1.1) elevation data allows you to be compliant with industry standards

- Ability to produce deliverables that comply with the National Agriculture Imagery Program (NAIP) specification allows you to compete for government contracts

- A new rigorous dodging algorithm that produces homogenous and tonal-balanced radiometric imagery the industry demands

- Support for execution on Microsoft® Windows® XP 64 operating system which protects your investment in new technology

ABOUT INTERGRAPH

Intergraph Corporation is the leading global provider of spatial information management (SIM) software. Security organizations, businesses, and governments in more than 60 countries rely on the company's spatial technology and services to make better and faster operational decisions. Intergraph's customers organize vast amounts of complex data into understandable visual representations, creating intelligent maps, managing assets, building and operating better plants and ships, and protecting critical infrastructure and millions of people around the world.

For more information, visit www.intergraph.com/.

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