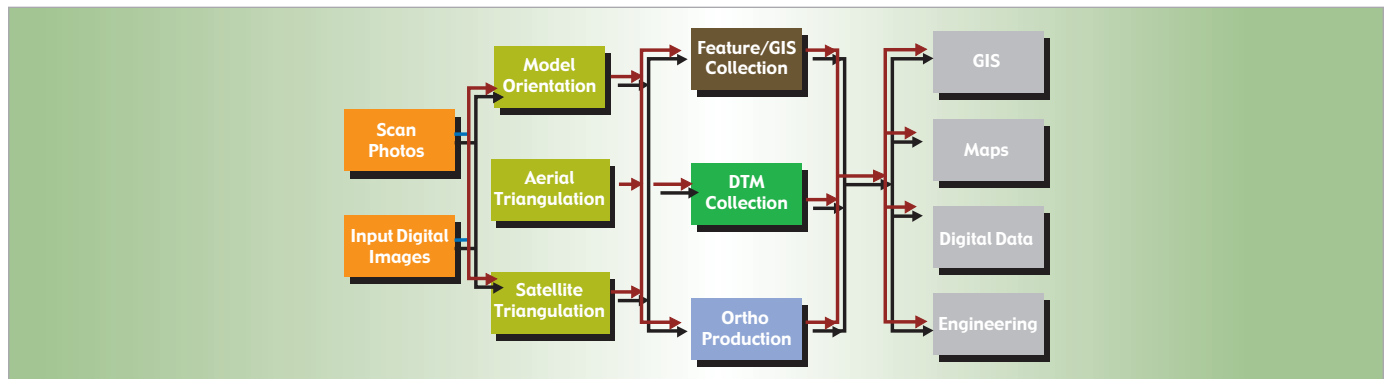


## ImageStation® Software Overview



Intergraph continues its commitment to provide an integrated and optimized photogrammetric platform with the power of ImageStation®. With ImageStation, customers get seamless integration of hardware and software that has made the ImageStation product line the choice of production mapping agencies and firms throughout the world.

### IMAGESTATION SOFTWARE

Intergraph provides a comprehensive suite of digital photogrammetric software for your production needs. Our product line includes applications for your entire production workflow.

#### Project and Data Management

- ImageStation Photogrammetric Manager – Photogrammetric data management tools required for a production workflow
  - Users benefit from the central photogrammetric data manager and data store, enabling the setup and management of photogrammetric projects on an Intel-compatible PC running Windows 2000 or XP

#### Orientations and Triangulation

- ImageStation Model Setup – Photogrammetric measurement for smooth, real-time, stereo model measurement
- ImageStation Digital Mensuration – Powerful multi-image point transfer and measurement environments for photogrammetric triangulation
- ImageStation Automatic Triangulation – Fully automated aerial triangulation from interior orientation to the determination of

tie points to the final block adjustment analysis with delivery of orientation parameters

- ImageStation Satellite Triangulation – Powerful multi-image point transfer and measurement environment for several satellite image types

#### Feature Collection

- ImageStation Stereo Display – Display and manipulation of stereo imagery with photogrammetrically accurate 3D cursor tracking, stereo vector superimposition, stereo roam, and image contrast and brightness adjustments within the MicroStation graphics environment
- ImageStation Feature Collection – Low-cost, easy-to-use map feature data collection product that provides tools for interactively collecting map feature geometry (2D and 3D) and attributes in the MicroStation graphics environment
- ImageStation Stereo for GeoMedia – Interactive 2D and 3D feature collection and attribution from aerial or satellite mono/stereo images for map revision/updating based on GeoMedia® platform for a direct geographic information system (GIS) application
  - Collected geospatial features are stored in open databases so they can be easily accessed and used by any GIS system

#### Digital Terrain Model Generation

- ImageStation DTM Collection – Interactive tools for collecting digital terrain model (DTM) data, elevation points, breaklines, and other geomorphologic features in stereo models in the MicroStation graphics environment

- ImageStation Automatic Elevations – Automatic generation of elevation models from aerial or satellite stereo imagery, creating accurate and reliable DTM data in a very efficient way

#### **OrthoPhoto Generation**

- ImageStation Base Rectifier – Batch-oriented program for orthorectification of aerial photographs and satellite images, which can serve the needs of both small- and large-scale GIS and map production organizations
- ImageStation OrthoPro – Integrated orthorectification product that addresses the complete ortho production workflow, including ortho project planning, rectification, dodging, true ortho, tone balancing, automatic seamline generation, “one-button ortho,” mosaicking, and quality assessment
  - The whole ortho workflow can be achieved in a distributed processing environment, increasing throughput and reducing computation time
- PixelQue is a unique application based on GeoMedia that provides the tools needed in orthophoto production for image inspection/quality control, image enhancement, and image editing – all in one product

#### **Geographic Imaging**

- Image Viewer – Low-cost, high-powered solution for displaying orthophotos and other preprocessed (e.g. map-registered) binary, gray-scale, or color raster imagery
- I/RAS C – Complete image display and manipulation solution – whether your applications include cartographic updating, aerial image mapping, GIS, or civil engineering – for manipulation and display of binary, gray-scale, and color raster images and maps
- Image Analyst – Full set of image display, enhancement, image processing, and remote sensing tools that are suitable to meet the intensive demands of production image mapping, cartographic, and image analysis environments

#### **IMAGESTATION – DISCOVER THE POWER**

By combining Intergraph’s data acquisition, data exploitation, and data distribution hardware and software systems, Intergraph is the only provider of a completely integrated, end-to-end photogrammetric workflow solution. ImageStation provides customers with the seamless integration of hardware and software that has made the ImageStation product line the choice of production mapping agencies and firms throughout the world with end-to-end workflow capability and high-degree automation throughout.

For more information, visit [www.intergraph.com](http://www.intergraph.com).

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## **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.

