Intergraph® continues its commitment to provide an integrated and optimized photogrammetric platform with the power of ImageStation®. With ImageStation, customers receive 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.

**IMAGESTATION® SOFTWARE OVERVIEW**

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 (ISPM)** – Data and management tools required for photogrammetric production workflow. Some key features include: entry/edit menus, bulk input/output of photogrammetric data, a standard set of data reports, RO, AO, single-photo resection, and archive/restore of projects. ISPM provides the interface between supported third-party triangulation packages and ImageStation products for triangulation/orientation, 3D feature and DTM collection, and orthophoto workflows.

License type: Node-locked, concurrent (floating), subscription, EDU

**Z/I Work** – Multi-tiered process management environment for Digital Mapping Camera (DMC®) and ImageStation® production. It provides you with integrated project management and control with an intuitive map-oriented graphical user interface. Based upon the pioneering work of GeoCue Corporation, Z/I Work envelops your workflows into a data-centric view of geospatial production, which allows operators and managers to launch, link, and monitor subtasks.

License type: Workstation (serial processing), server (multi-process), enterprise (multiple distributed process)

**Orientations and Triangulation**

**ImageStation Automatic Triangulation (ISAT)** – Exceptional automatic triangulation package that delivers fully automated aerial triangulation from interior orientation to the determination of tie points to the final block adjustment analysis with delivery of orientation parameters.

License Type: Node-locked, concurrent, subscription, EDU

**ImageStation Satellite Triangulation (ISST)** – ISAT add-on that uses ephemeris data and sophisticated orbital models to triangulate IRS-C and IRS-D, LandSat, SPOT, Ikonos, QuickBird, OrbView, WorldView, and GeoEye imagery. ISST represents the triangulation portion of digital satellite workflows.

License Type: Node-locked, concurrent, EDU

**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.

License Type: Node-locked, concurrent, subscription, EDU

**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.

License Type: Node-locked, concurrent, subscription, EDU

**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.

License Type: Node-locked, concurrent, subscription, EDU
Digital Terrain Model Generation

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

License Type: Node-locked, concurrent, subscription, EDU

**ImageStation Automatic Elevations (ISAE)** – Automatic (correlated) generation of elevation models from aerial or satellite stereo imagery, creating accurate and reliable DTM data.

License Type: Node-locked, concurrent, subscription, EDU

**ImageStation DTMQue (ISDQ)** – Command-line tools for DTM batch processing. You can assemble the tools into workflows using the included graphical editor. ISDQ has tools for converting several elevation formats data into Z/I DTM format. ISDQ also performs coordinate transformations, tiling, merging, and triangulation. It includes a workflow editor, a simple 3D viewer, and DTM QA/QC tools for assessing the accuracy of the elevation data.

License Type: Concurrent

Orthophoto Generation

**ImageStation OrthoPro (ISOP)** – Integrated orthorectification product that addresses the complete ortho production workflow, including ortho project planning, rectification, dodging, true ortho, tone balancing, automatic seamline generation, mosaiking, and quality assessment. Also available in a non-GUI version for distributed processing configurations.

License Type: Concurrent, subscription, EDU

**ImageStation PixelQue (ISPQ)** – Unique application based on GeoMedia that provides the tools needed in orthophoto production for structured image inspection/quality control, image enhancement, and image editing – all in one product. Includes Digital Image Analyst (DIA) for look-up table definition.

License Type: Node-locked, concurrent

MicroStation-based Geographic Imaging

**Image Viewer (IV)** – Low-cost, high-powered solution for displaying orthophotos and other preprocessed (e.g. map-registered) binary, gray-scale, or color raster imagery.

License Type: Node-locked, concurrent, EDU

**I/RAS C (IRASC)** – 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.

License Type: Node-locked, concurrent, EDU

**Image Analyst (IA)** – 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.

License Type: Node-locked, concurrent, EDU

**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.

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**ABOUT INTERGRAPH**

Intergraph is the leading global provider of engineering and geospatial software that enables customers to visualize complex data. Businesses and governments in more than 60 countries rely on Intergraph’s industry-specific software to organize vast amounts of data to make processes and infrastructure better, safer and smarter. The company’s software and services empower customers to build and operate more efficient plants and ships, create intelligent maps, and protect critical infrastructure and millions of people around the world.

Intergraph operates through two divisions: Process, Power & Marine (PP&M) and Security, Government & Infrastructure (SG&I). Intergraph PP&M provides enterprise engineering software for the design, construction, operation and data management of plants, ships and offshore facilities. Intergraph SG&I provides geospatially powered solutions to the public safety and security, defense and intelligence, government, transportation, photogrammetry, and utilities and communications industries. Intergraph Government Solutions (IGS) is an independent subsidiary for SG&I’s U.S. federal and classified business.

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