

Alta Photogrammetry Suite



From the Image to the Map

Groupe Alta presents the **Alta Photogrammetry Suite**, an assembly of its photogrammetry software applications comprising:

- **IBP: Image Batch Processing** for imagery conversion and enhancement also including color balancing, rotation, re-sampling, band manipulations, hue & saturation and other filters.
- **Orientation:** Batch import of stereoscopic models, as well as Automatic Interior Orientation to prepare imagery for 3D data capturing and orthomosaicing.
- **DVP:** 3D stereoscopic data capture with powerful editing tools and plugins for popular CAD & GIS applications.
- **Orthomosaic:** Orthorectification and assembly into a tone-balanced image map in an easy one-step process.

Alta APS Benefits

- A comprehensive product covering all aspects of the photogrammetry workflow.
- Based on open raster file formats and text-based files leading to greater interoperability between systems.
- Continuous evolution of products taking user suggestions and production realities into account.
- Built to function in a multi-user environment where many users access the same project information simultaneously.
- Whether for a small company or large corporation, Alta Photogrammetry Suite provides the tools you require to complete your projects successfully and effectively.

New Features

- Automated seamline placement (Orthomosaic)
 - Create precise seam-line polygons for the mosaic process as well as a complete set of editing functions.
- Orthoclip on the fly (DVP)
 - Verify output orthorectified result of bridges and other features during DTM collection & edition.
- Dynamic Profile Tool (DVP)
 - Visualize the cross-section of any element dynamically while capturing a feature.

Incorporate into an Existing Workflow

The Alta Photogrammetry Suite components fit easily into any existing production environment to compliment or increase your production capacity.

- The software is based on open standards and formats.
- Utilization of project files and orientations from multiple sources.
- Intuitive and user-friendly.
- Modular components.
- Highly productive and customizable.

Support & Training

Start off the right way with our Alta Photogrammetry Suite of products by complimenting the software with supplemental training. Our training and support team will always be there to assist you to become the most productive and efficient in the shortest amount of time possible.

APS – Features

General Features

- Imagery preparation and optimization of photogrammetry workflow.
- Creation and importation of orientation parameters for stereo models.
- Open hundreds of models simultaneously and navigate through them with ultimate ease.
- Enhance images, including color balancing, dodging, hue & saturation, contrast, brightness and more.
- Use of 8, 12 and 16 bit imagery.
- Complete 3D vector capturing tools and use of plugins for Microstation, AutoCAD & ArcGIS.
- Distributed Batch Procession for IBP and Orthomosaic.
- Automated tile generation for Orthomosaic and seam- line editing.
- And much more...

Supported Data Types

- Oriented scanned aerial film imagery.
- Oriented Frame Digital Camera Sensors.
- Intergraph DMC, Vexcel Ultracam and more...
- Georeferenced Orthoimages.
- Vector formats: dvp, dgn, dxf, dwg, shp, txt, gml.
- Raster formats: 8, 12, 16 bit, TIFF, (stripped), TIFF (tiled), JPEG compressed, JPEG 2000, ECW, MrSid, and more...

Hardware Specifications

Optimum

- Pentium IV Duo core or higher
- Windows XP
- 2 GB RAM or higher
- OpenGL "Stereo-Ready" graphics card
- Planar or True 3Di

Minimum

- Pentium IV or higher
- Windows XP
- 1GB RAM
- OpenGL "Stereo-Ready" graphics card
- 1 Monitor

APS Users: A Diversified Group

Alta Photogrammetry Suite provides users with a powerful and flexible working environment to obtain quality results in a timely manner for the entire workflow.

APS counts on hundreds of users in many different industry segments including: forestry, mining, engineering, cadastral data collection, traditional mapping service companies, technical colleges and universities located worldwide.

All users can enjoy the rich functionality and ease of use available in all products from the entire APS Suite. Groupe Alta continues to provide high quality photogrammetry, imagery and mapping software around the world.



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