



APS Software Features

a. GENERAL FEATURES AND MANAGEMENT

1. Import images from any Drone/UAV (TIF, JPG)
2. Multithread powerful
3. Batch start from command line
4. Batch Orthophoto and DSM process
5. Automatic saving/restoring
6. CAD template management
7. Raster overview
8. Import of images without IMU angles data
9. GPS data extraction from EXIF
10. Import of GPS data expressed in different formats
11. Import GCP, collimation and visualization
12. Selectable camera mounting
13. Five bundle algorithms with editable parameters
14. Define mosaic's area and holes
15. Camera passport features self-extraction
16. DTM generation
17. Contour lines generation
18. Orthomosaic generation
19. DSM generation
20. 3D point cloud generation
21. Multilanguage support
22. Orthomosaic correction editor
23. Email notifications on process results
24. Stereo Tools
25. Seamlines generation and editing

b. TOOLS

1. Distance evaluation (Linear)
2. Area evaluation
3. Footprints visualization
4. Camera Position visualization
5. Sheet Layout visualization
6. Status visualization
7. Output visualization
8. WorkFlow visualization
9. Project Summary Info
10. Help Tutorial
7. Output visualization
8. WorkFlow visualization
9. Project Summary Info
10. Help Tutorial

c. FUNCTION TOOLS

1. Overview - View log
2. Overview - View bundle report
3. DTM report
4. Import DTM (GeoTiff)
5. Export DTM (GeoTiff, ASCII)
6. Edit Contour lines step generation
7. Export Contour lines (DWG, DXF, SHP)
8. Define orthomosaic step generation
9. Orthomosaic report
10. Export Orthomosaic (TIF, JPG)

d. CAD ENVIRONMENTAL

1. All common edit commands (move, rotate, scale, ...)
2. Common zoom and pan functions
3. Grid & coordinatograph
4. Layers management and order
5. Line weight edit
6. Snap edit
7. Grid edit
8. Points, polyline spline
9. Text
10. Hatch
11. CAD options editing
12. Stereo CAD option

e. INTERNAL AND EXTERNAL ORIENTATION

1. Camera passport import or editing
2. Automatic aerial triangulation process
3. Automatic internal and external orientation

f. CONTROL POINTS

1. Import control points from ASCII file
2. User-friendly monoscopic collimation process
3. Image matching collimation aids

g. ORTHOMOSAIC

1. Automatic Orthomosaic generation
2. Automatic seamlines generation
3. Color Balancing
4. Tiles setup and import
5. Google Earth Tiler export

h. DSM AND POINT CLOUD

1. Automatic DSM generation
2. Automatic point cloud generation

i. 3D MODEL SUPPORT

1. 3D orbit rotation, zooming, pan
2. Point size editing
3. Edit level of detail
4. RGB visualization
5. Elevation visualization (false color)
6. Info
7. Set 3D views

I. COORDINATE SYSTEM

1. UTM WGS 84
2. Set with EPSG code
3. Set with WTK string

11. Define DSM step generation
12. DSM report
13. Export DSM (GeoTiff, ASCII)
14. 3D point cloud visualization (with CloudView)
15. Export 3D point cloud (XYZ, XYZRGB)
16. Batch process

APS requirements

- Operating system: Windows Vista (32 – 64 bit) / Seven (64 bit) / 8 (64 bit)
- CPU: i3 / i5 / i7 / or other
- RAM: 4 GB or more
- GPU: nVidia GeForce / Quadro or other
- Hard Disk: 7200 rpm preferably

APS 32 or 64 bit version available

Oriented images are ready for **stereo** cartographic feature extraction (Stereo Tools).
A temporary evaluation license is available to test APS with your datasets.



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