

Geomatica Total Education Suite

The Geomatica Total Education Suite includes all a user needs to work with Geospatial data. It provides powerful photogrammetric tools designed for photogrammetry education or research on small and large production workloads to produce high-quality geospatial products.

It also includes integrated tools designed for an "Introduction to Remote Sensing" course or research on image classification, image correction, data visualization, data translation, image processing, spatial analysis, radar analysis, hyperspectral analysis, atmospheric correction, modeling, scripting, and cartographic map production.

Finally, it includes a comprehensive desktop automation environment.

The Suite Includes

Geomatica Prime® – A software solution that includes geometrical correction; data visualization and editing; image classification; cartographic map production; functionality for raster spatial analysis; radar analysis; hyperspectral analysis; and a comprehensive desktop automation environment.

Airphoto Ortho – These models compensate for the effects of varying terrain and for the distortions inherent to aerial cameras: the curvature of the lens, focal length, perspective effects, and the camera's position and orientation when the image is taken.

Satellite Ortho – Rational function models developed to compensate for distortions to produce orthorectified satellite images for high resolution and low resolution sensors.

Radar Ortho – Models to reflect the physical reality of the complete viewing geometry and correct all distortions generated during radar image formation.

Ortho Production Toolkit – A complete collection of powerful, automated tools for the orthorectification and mosaicking of aerial photos and satellite imagery

Auto DEM – Create Digital Elevation Models (DEMs) from stereo airphotos and stereo optical and RADAR images.

Pan Sharpening – Fuse low-resolution color data with high-resolution black + white data to produce stunning, high-resolution, multispectral imagery.