



ScanMagic® is the easy-to-use autonomous and multifunctional software application intended for viewing, analyzing and processing of Earth remote sensing data

ScanMagic® is a very quick, universal and functional application. It is a perfect solution for remote sensing data processing in near real-time mode and enables to get map products in a most cost-efficient way without involving additional software tools.

ScanMagic® will be a reliable help to all, who is dealing with image processing or is interested in geo-information technology.

ScanMagic® basic features:

- The application has a multi-lingual GUI and can be adapted to any regional language
- Support of a great number of graphical, GIS and RS formats. Compatible with most popular GIS and image processing systems, including ESRI, ENVI, ERDAS, PCI, etc.
- Operational control of data files, creation and editing of electronic catalogs of RS data, search and display of images and attributive data
- Image visualization, zooming, contrasting and navigation through the image. Images analysis, metadata preview and properties measurement
- Automatic geographic and cartographic data referencing, referencing based on orbital elements, longitude and latitude grids
- Universal analytic model of orbit/sensor for geolocation of RS data from any raster format
- Operations with vector maps in most popular vector formats, overlaying vector maps on the image, creation and editing of vector layers
- Possibility of manual geolocation of any raster, location to a terrain using ground control points based on "image-to-map" (vector) or "image-to-image" (raster) technology
- Integrated tools of access to 2D and 3D map Internet-services, such as Microsoft Virtual Earth, Google Maps, Google Earth, Yahoo Maps, etc. Using global coverages as base maps to pick up control points

- Geometric correction, image transformation into the specified map projection, creation of color-balanced mosaics. Support of a large number of projections, ellipsoids and datums, including user-defined ones
- Operational 3D visualization by overlaying RS data on digital elevation models of map services
- In-built tools of batch conversion of raster and vector data and of coordinates data

Recommended system parameters:

- Intel Pentium IV 3 GHz
- RAM 4 Gb
- Monitor 1024x768 True Color
- MS Windows XP/Vista or Linux

Tutorial materials:

- Complete User's Guide
- Exercises on working with the application and examples of image for execution
- Training video-course

