

ERDAS IMAGINE[®]

The world's most
widely-used software
package for creating
information from
imagery



 **erdas**
The Earth to Business Company

ERDAS IMAGINE[®]

Geographic imaging professionals need to process vast amounts of imagery every day – often relying on software designed for other purposes and add-on applications that create almost as many problems as they solve. Is it possible to save both time and money, leverage existing imagery investments, as well as improve your image analysis capabilities, with just one software application? Yes, it is...

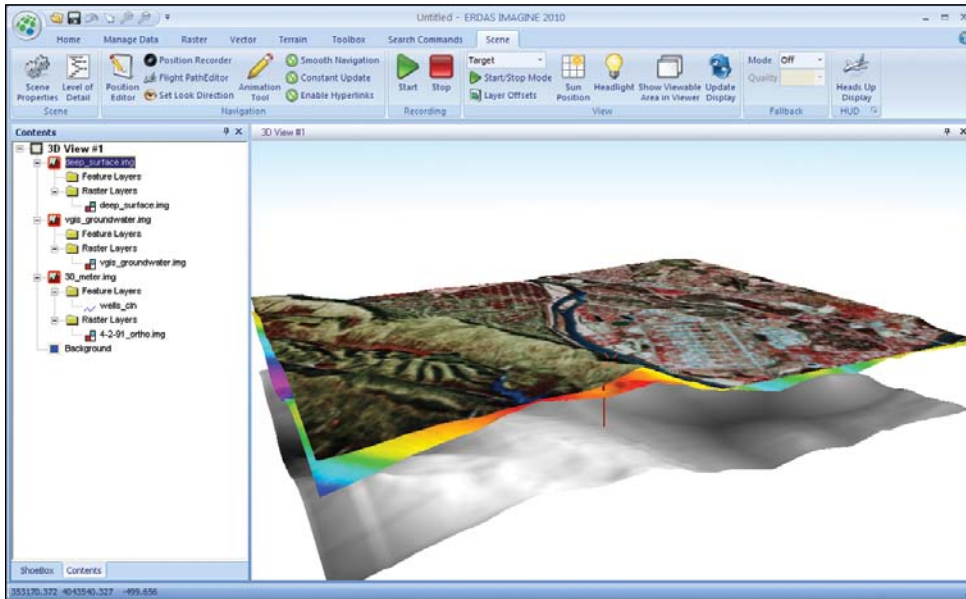
Are you making the most of your imagery?

Imagery is the primary source of data for mapping and managing features or resources. Whether you are studying changes in urban growth, sensitive environments, mapping resources or assessing damage from natural disasters, an imagery archive enables you to reference and measure the amount of change that has taken place in a geographic area. Accurate and up-to-date imagery leads to quicker updates throughout your geospatial information for better decision making.

ERDAS IMAGINE brings together users across your organization, saving you time and increasing your productivity. Your co-workers, business partners and clients can now understand your project and final product through a single interface that is intuitive to use. ERDAS IMAGINE is also customizable to include the tools you need from multiple disciplines.

ERDAS IMAGINE provides true value, incorporating remote sensing, photogrammetry and radar into a single product. We have many solutions in one, incorporating the following standards, enterprise capabilities and products:

- Image Analysis, Remote Sensing & GIS
- Supports Optical Panchromatic, Multispectral and Hyperspectral Imagery, Radar and LiDAR Data
- Ribbon User Interface (revealing more capabilities)
- Multi-core and Distributed Processing
- Spatial Modeling
- Highly Efficient, Fused Imagery and Geospatial Analysis Workflows
- High Performance Mosaicking and Terrain Engines in IMAGINE Advantage
- Expanded Change Detection Tools (with Zonal Change Detection)
- ERDAS ER Mapper Algorithms
- Converts over 190 Image Formats to all Major File Formats, including GeoTIFF, NITF, CADRG, JPEG, JPEG2000, ECW and MrSID
- Implements Comprehensive OGC Web Processing Service (WPS), Web Coverage Service (WCS), Web Mapping Service (WMS) and Catalog Services for the Web (CS-W)



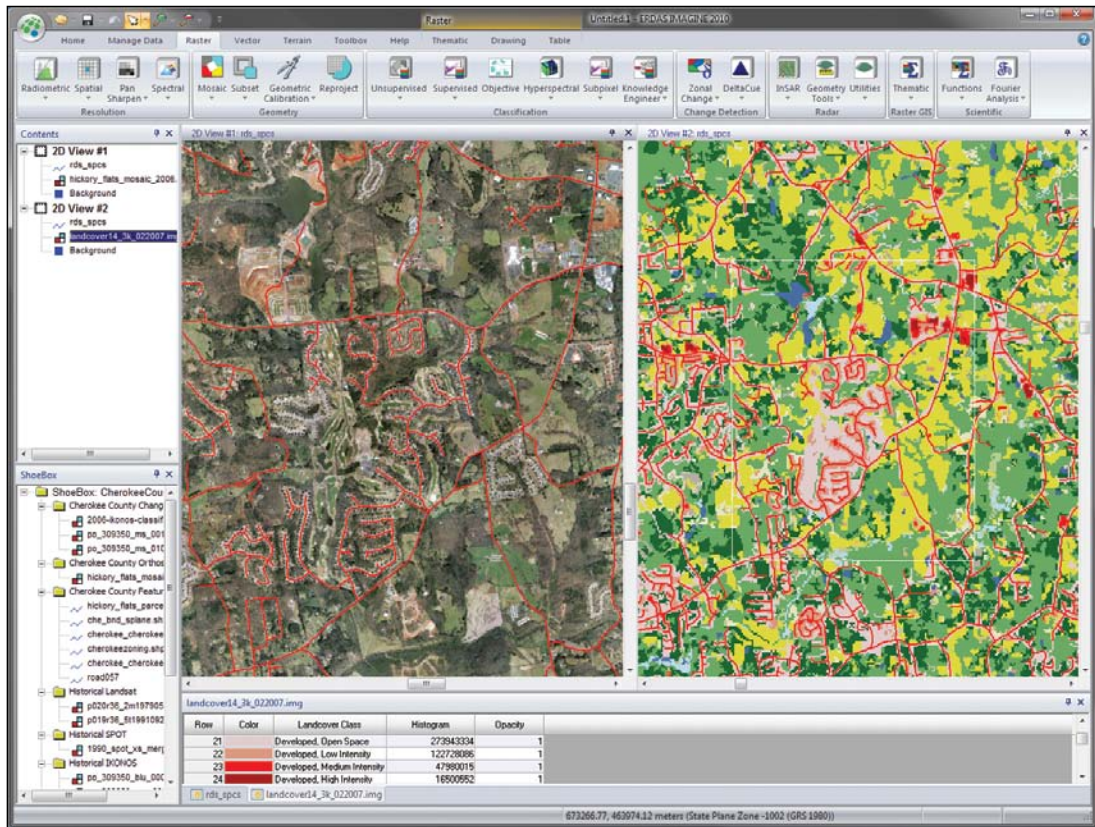
IMAGINE VirtualGIS was the first, and is still the best, at 3D visualization of all geospatial data types.

With more than 30 years of experience pioneering geospatial analysis, you will see the fusion and culmination of innovation in ERDAS IMAGINE.

Versatile

For organizations with extensive collections of geospatial data, ERDAS IMAGINE supports enterprise-enabled geospatial image processing that utilizes a centralized relational database to store geospatial information. This provides enormous benefit to an institution, making data visible and accessible to end-users. Existing and future investments in image and feature geospatial information are exploitable to the greatest number of decision-makers.

ERDAS IMAGINE leverages these capabilities by providing client-side interaction with spatially aware databases such as ESRI ArcSDE or Oracle Spatial 10g. Capabilities also extend to connected and disconnected topological editing of the database for efficient feature updates and maintenance. As users upgrade their hardware and Operating Systems, ERDAS IMAGINE takes advantage of these new technologies through threading, parallel processing and minimizing the number of times we touch the pixel on the hard disk. Batch tools in IMAGINE Advantage enable multi-core and distributed processing jobs, allowing large projects to fully leverage system and network resources.

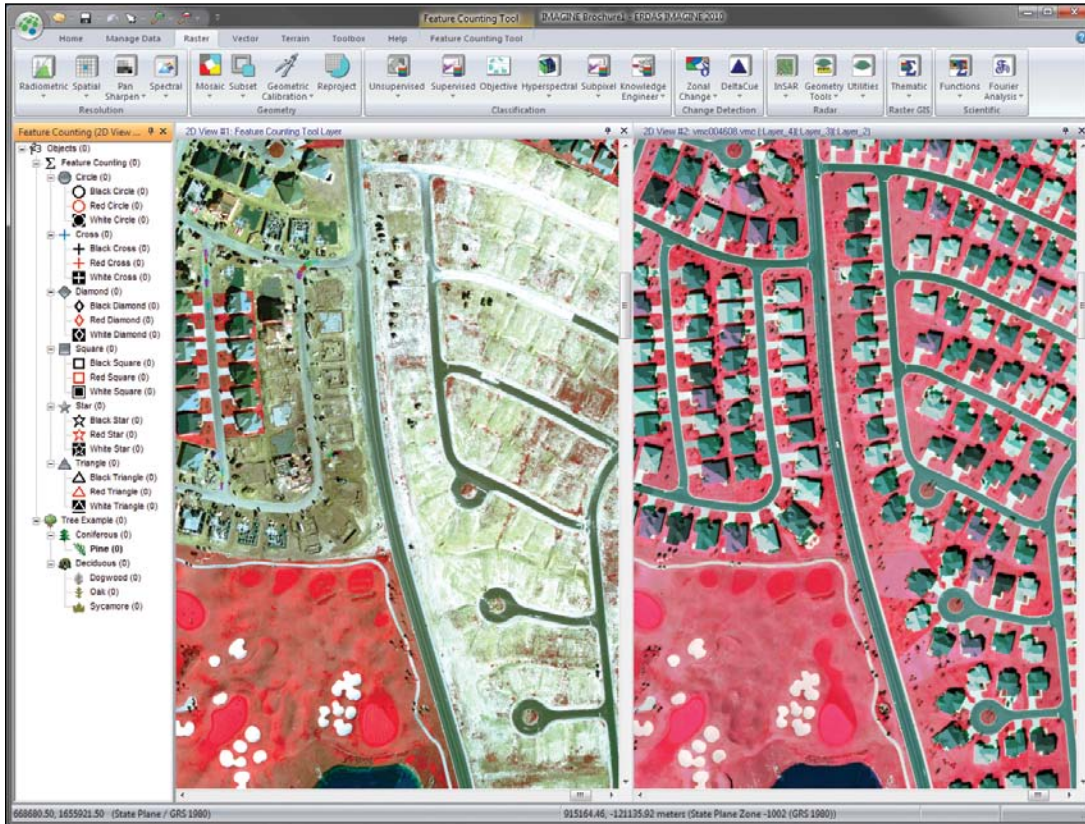


No product on the market today provides more classification solutions than ERDAS IMAGINE.

Seamless

How do you maximize the investment of your imagery? Classification, orthorectification, mosaicking, reprojection and image interpretation. ERDAS IMAGINE simplifies all of these image processing functions while maintaining the integrity of the geospatial data you need for updating your GIS in multiple formats.

The intuitive ERDAS IMAGINE interface streamlines your workflow and saves you time. Powerful algorithms and data processing functions work behind the scenes so you can concentrate on your analyses. The quick display and ability to work with multiple datasets in geographically-linked viewers in ERDAS IMAGINE dramatically reduces the time you would otherwise spend trying to manually relate information from various sources.



Whether mapping change using the Feature Counting Tool, or by automatic change detection algorithms, ERDAS IMAGINE is your change mapping solution.

Complete

ERDAS IMAGINE is easy-to-use, raster-based software designed specifically to extract information from images. Perfect for beginners and experts alike, easy-to-learn ERDAS IMAGINE enables you to process imagery like a seasoned professional, regardless of your experience in geographic imaging.

ERDAS IMAGINE is the most powerful package for derived information (data production), supporting multiple workflows, including:

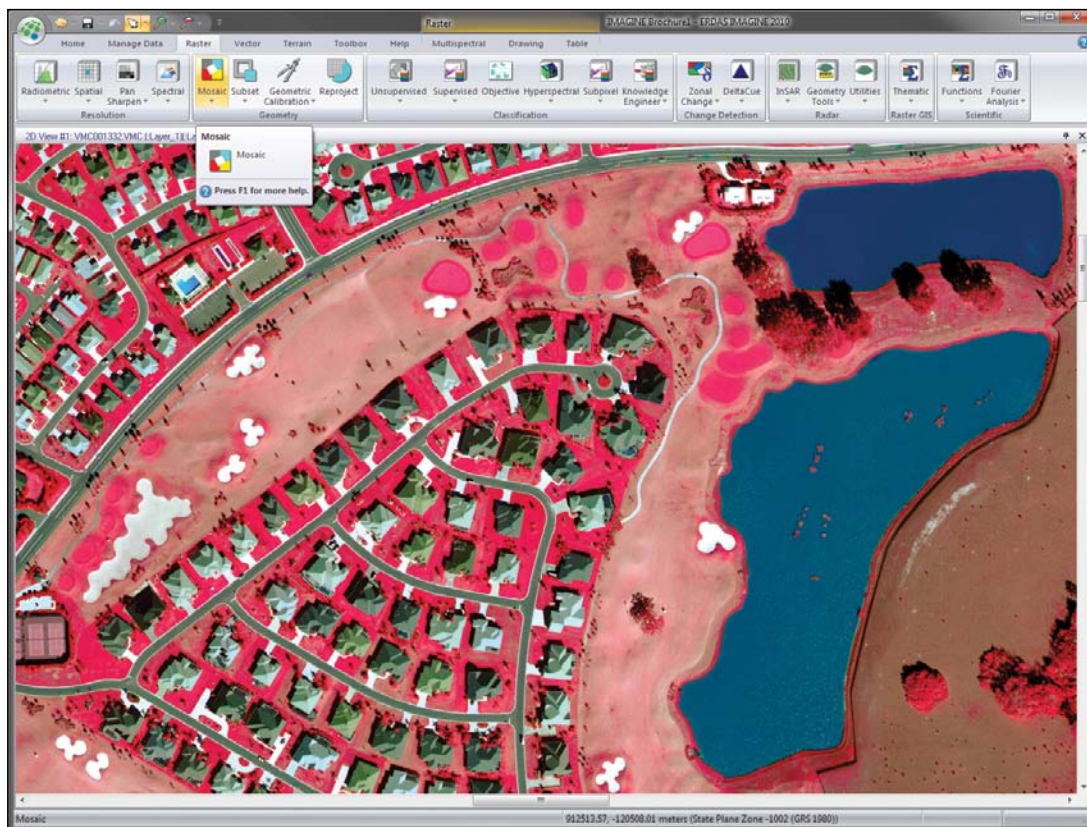
- Data Conversion
- Orthorectified Databases
- Color Balancing, Mosaic and Compression
- Landcover Mapping and Terrain Categorization
- Map Composition, Printing, Report Generation and GeoPDF Production
- Feature Capture and Update
- Spatial Modeling and Analysis
- Terrain Database Creation and Analysis

Selected Functionality Options Functionality	Essentials	Advantage	Professional
Geographically connect files across viewers	•	•	•
Compress into MrSID, ECW and JPEG2000 formats	•	•	•
Use over 190 different image and GIS data formats	•	•	•
Rapidly display and roam through imagery	•	•	•
Create and edit Arc coverage and Shapefiles	•	•	•
Create and print maps in over 1000 different projected coordinate systems	•	•	•
Display and analyze ESRI Geodatabases, Oracle 10g	•	•	•
Mosaic images	•	•	•
Polynomial-rectify images	•	•	•
Batch processing	•	•	•
Parallel batch processing		•	•
Ortho-rectify images		•	•
Interpolate surfaces for greater than 50 million points		•	•
Perform spatial, radiometric and spectral enhancement		•	•
Analyze information in radar images			•
Perform advanced multispectral image classification			•
Perform graphical spatial modeling			•
Extract information from hyperspectral imagery			•

With its vast array of tools enabling you to analyze data from virtually any source and present in formats ranging from printed maps to 3D models, ERDAS IMAGINE offers you one comprehensive solution for all of your geographic imaging and image processing needs. It simplifies and streamlines your production workflow, saving you time, money and resources without sacrificing accuracy.

The ERDAS IMAGINE Product Suite

IMAGINE Essentials®: A powerful, low-cost image mapping and visualization tool that allows different types of geographic data to be combined with imagery and quickly organized for projects. IMAGINE Essentials provides a robust set of tools for geocorrection, image analysis, visualization and map output.

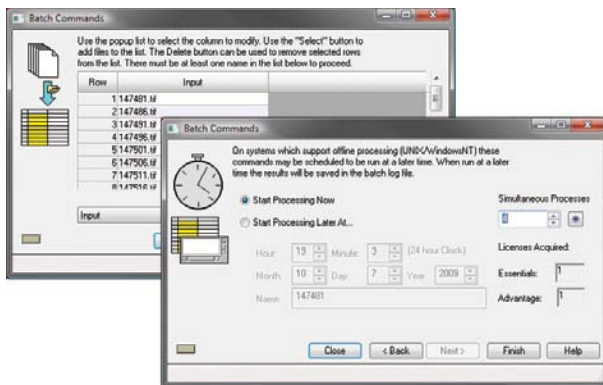


From mosaicking a few images to tens of thousands of images, from megabytes to terabytes, IMAGINE MosaicPro can do it all, all while scaling to your hardware investment.

ERDAS IMAGINE is a scalable solution that will grow with you. With three tiers and a multitude of add-on modules, you can tailor the system to meet your specific requirements.

IMAGINE Advantage®: A geographic imaging toolset that extends the capabilities of IMAGINE Essentials by adding more precise mapping and image processing functions. IMAGINE Advantage includes a complete set of tools to analyze data from imagery via mosaicking, surface interpolation, advanced image interpretation and orthorectification.

IMAGINE Professional®: The most sophisticated software for geographic imaging, IMAGINE Professional includes complex image analysis, radar analysis and advanced classification tools. It also includes graphical spatial data modeling, which is a unique capability for analyzing geographic data.



Scalability is the name of the game when you need an immediate return on your investment (ROI). Multi-core and distributed processing of massive data projects enable you to take full advantage of hardware resources.

Discover the potential of your imagery

Additionally, there are a number of other modules available, further extending ERDAS IMAGINE's functionality and catering to your organization's individual geospatial and business needs. These innovative products include the IMAGINE Radar Mapping Suite, IMAGINE Objective, Stereo Analyst[®] for ERDAS IMAGINE, IMAGINE AutoSync[™], IMAGINE Easytrace[™] and many others. For more information on ERDAS IMAGINE related products and implementing a customized integrated solution to further strengthen your geospatial system, please contact your ERDAS sales representative.

Increase your accuracy with the flexible and comprehensive toolset of the standard in imaging software — ERDAS IMAGINE, from the inventors of commercial remote sensing software.

Call +1 877 GO ERDAS or send an e-mail to info@erdas.com for more information on ERDAS IMAGINE.