

FEATURE ANALYST

TURN IMAGES INTO MAPS



Feature Analyst is available in two versions and includes the following capabilities:

Feature Analyst – Standard

- Powerful Automated and Assisted Feature Extraction Tools
- Hierarchical Learning
- Batch Processing
- Extraction Settings Discovery
- Advanced Cleanup Tools
- Multi-Class Extractions and Image Segmentation
- Auto-Attribution Tools
- Vector Editing Tools
- Feature Modeler and Feature Model Library
- Integration with ESRI's Model Builder

Feature Analyst – Professional

Includes all standard features & capabilities, plus:

- 3D Feature Extraction Capability
- Feature Level Change Detection
- Unlimited Image Bands for Extractions
- Building Collection Toolkit
- Advanced Vector Generalization and Attribution Tools

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New in Feature Analyst

A new Building Collection Toolkit enables users to more quickly and accurately extract fully attributed building feature data that can be piped directly into enterprise databases for analysis. Users of the toolkit are able to achieve more accurate results while reducing collection time by up to 30%.

Integration with ESRI's Model Builder provides true end-to-end geoprocessing capabilities.

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 **OVERWATCH**



FEATURE ANALYST

TEXTRON Systems

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GIS experts in the USDA Forest Service use Feature Analyst to quickly classify tree canopy density, fire hazards, roads, and other features.



Feature Analyst makes map making simple by automating the process of feature extraction.



Feature Analyst has the ability to leverage elevation data along with imagery to extract and automatically attribute true 3D features like buildings.

Feature Analyst® is an automated feature extraction extension that enables GIS analysts to rapidly collect vector feature data from high-resolution satellite and aerial imagery. With as much as 60-80% of GIS implementation and management costs being attributed to staying up-to-date with increasing volumes of image data, the ability to generate features from GIS data is a major requirement. Feature Analyst was created to address this need and enables analysts to quickly and accurately collect linear and polygonal features such as roads, hydrologic features, trails, buildings, vegetation, land-cover/land-use and many other features.

Feature Analyst uses machine learning algorithms and innovative geoprocessing approaches, such as hierarchical learning and spatial pattern recognition, to model the extraction of object-specific features from remotely sensed imagery. Feature Analyst provides capabilities such as image segmentation, multi-class feature extraction, change detection, 3D feature extraction, building collection tools, multi-core processing, batch processing, and advanced vector generalization and attribution tools.

Feature Analyst is modular in nature and can be used on its own or in conjunction with LIDAR Analyst to create an integrated suite of tools which work together to satisfy every aspect of creating, maintaining and analyzing 3D data such as urban models.

Feature Analyst works as an extension to ESRI's ArcGIS®, ERDAS IMAGINE®, and Overwatch's ELT/5500®, Global Image Viewer® (GIV) and Image Light Table Plus (ILTP) products.

