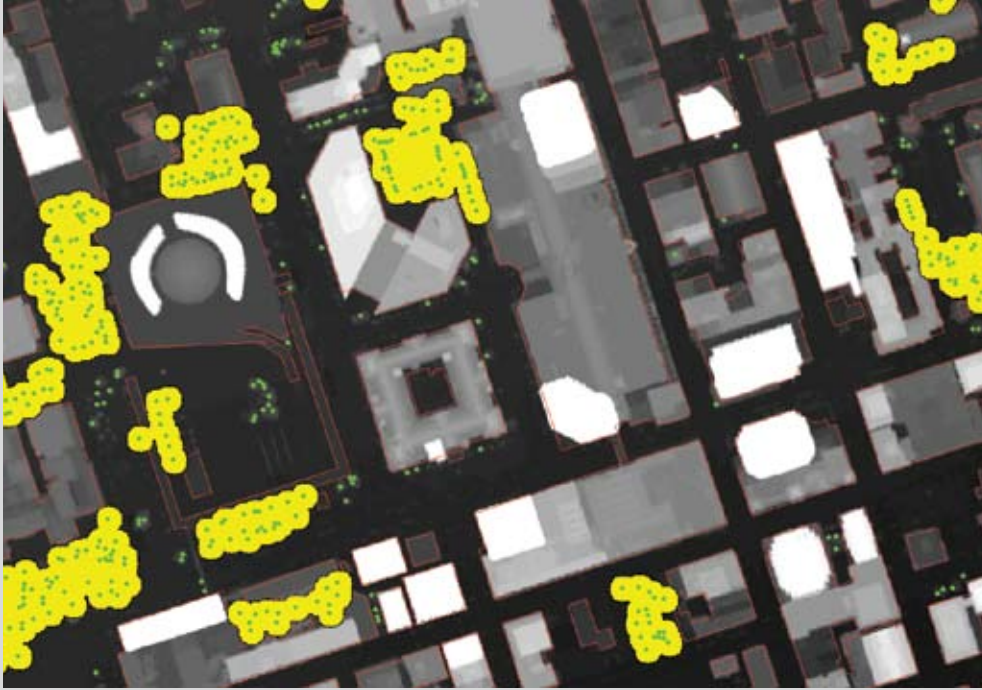


# LIDAR Analyst™ & Feature Analyst® Automated Feature Extraction



LIDAR Analyst for ERDAS IMAGINE®  
& LIDAR Analyst for ArcGIS

Feature Analyst for ERDAS IMAGINE®  
& Feature Analyst for ArcGIS



## LIDAR Analyst for ERDAS IMAGINE® and LIDAR Analyst for ArcGIS

A necessary tool for anyone working with LIDAR data, LIDAR Analyst™ automates the extraction of 3D terrain surfaces, buildings, trees and forest areas. Comprehensive customer testing of LIDAR Analyst shows the accuracy of terrain, buildings, and trees is outstanding for both leaf-off and leaf-on conditions. In addition to the features themselves, LIDAR Analyst automatically extracts attribute information, such as building height, area, perimeter, roof type, tree crown width, and tree stem diameter. Finally, LIDAR Analyst comes with comprehensive cleanup and editing tools for effortlessly fine-tuning results.

### Key Features

- Bare Earth Extraction, Layer Shading and Modification Tools
- Tools for Removing Spikes and Pits
- Aspect Computation
- Slope Computation
- Simple and Multi-component Building Extraction
- Automatic Feature Attribution
- Tree and Forest Extraction
- Hill Shading Effects
- Reshape Tools
- 3D Shapefile Creation
- Support for LAS, ASCII, GeoTIF and GRID Formats



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## Feature Analyst for ERDAS IMAGINE® and Feature Analyst for ArcGIS

Feature Analyst® provides geospatial professionals with an automated feature extraction toolset for collecting 2D and 3D features from imagery and scanned maps. Features such as roads, buildings, water bodies, vegetation, pervious-impervious surfaces, multi-class image classification and land cover are easily extracted using simple one-button workflows. Feature Analyst uses multiple spatial attributes (size, shape, texture, pattern, spatial association and shadow) with spectral information to collect features from monoscopic and stereo imagery as vector shapefiles. Benefits include significantly lower database maintenance costs, increased accuracy in feature collection and a simpler approach to geospatial data production.

### Feature Analyst Standard

- Feature Extraction
- Land Cover Classification (Multi-Class Learning)
- Batch Classification of Images
- Unsupervised Learning
- Hierarchical Learning
- Combine Features
- Convert to Line or Point
- Vector / Raster Conversion Tools
- Aggregate / Smooth
- Square-up Features Tool
- Create Vector Metrics – Area, Perimeter, Length, Width and Orientation
- Advanced Editing Tools
- Basic Image Manipulation Tools

### Additional Features Available in Feature Analyst Pro

- Use of an Unlimited Number of Bands for Analysis
- Change Detection
- 3D Feature Extraction from DEM
- 3D Shape Creation
- Image Fusion (Pan Sharpening)

- when it has to be **right**

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