

## Imaging Station Control & 3D Image Modeler Software



- WLAN control of Imaging Station
- Generate 3D models
- Calculate Volumes and Cross Sections (Standard only)
- Stereopair photogrammetry (PRO only)

## A Powerful Combination

ImageMaster software is available in three editions, IS, Standard and PRO. This powerful combination of functionality allows you to accomplish everything from Imaging Station wireless control of measurements to 3D module generation using stereopair photographs.

## Applications

Topcon's ImageMaster PRO has modeling, measurement, mapping and interpretation functionality for a wide variety of applications:

- Close Range Photogrammetric Applications
- Aerial Photogrammetry
- Architecture
- Archeology
- Disaster Monitoring/Mapping
- Mining
- As Built Civil and Industrial Applications
- Accident Investigation
- 3D Modeling and Visualization Applications

## Hardware Requirements

- Digital Camera with preferred minimum of 5 megapixel
- Personal Computer with:
  - CPU Pentium 4, 2.0 GHz
  - Memory 512 MB
  - Graphical solution Open GL
  - OS Windows® 98, ME, 2000, XP, 7
  - USB or printer port for hardware lock

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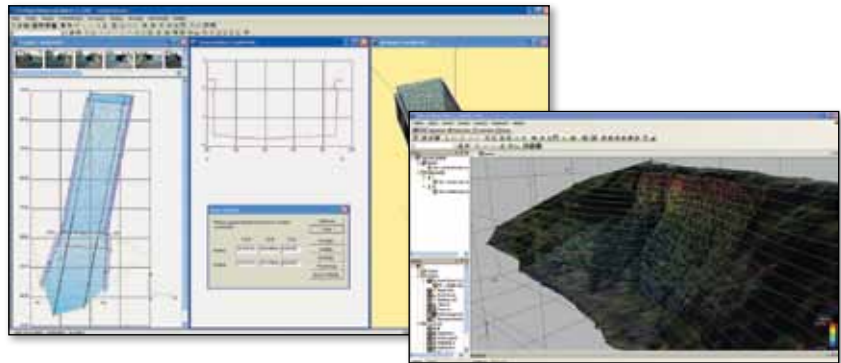
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## PRIMARY FEATURES

# ImageMaster Software

Choose the Edition that Suits Your Measurement and 3D Modeling Needs



### ImageMaster IS

Controls the IS (Imaging Station) via WLAN connection and makes 3D TINs and photo textured surfaces of IS collected data only. Distance can be measured from points and surfaces.

### ImageMaster Standard

Includes all IS edition features plus additional editing of IS scanned data with full Survey Tools such as volume and cross section calculations. Outside CAD data can be used as well.

ImageMaster Standard offers full functionality of surveying tools such as polyline creation, contouring, cross sections, TIN generation and editing. Additional functions such as area and volume calculations, ortho-image, and field scan file processing make this module a powerful addition to any Imaging Station system.

### ImageMaster PRO

Includes all of the above features plus Topcon's advanced photogrammetry solution. ImageMaster PRO software produces models with up to 0.4 mm accuracy for photos taken at a 10 meter distance to the object. The conditions of use are special targets for adjustment points, and optimal camera standpoints. To achieve 0.4 mm accuracy, a camera calibration is required.

ImageMaster PRO uses stereoscopy to create three-dimensional images. Stereoscopy combines two offset and overlapping images known as stereopairs, to create a stereomodel. Until recently, stereoscopes created the illusion of dimension. Today, stereoscopes combine images using digital algorithms, providing a digital, rotational image suitable for survey and engineering purposes.

For more information:  
[topconpositioning.com/imagemaster](http://topconpositioning.com/imagemaster)

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