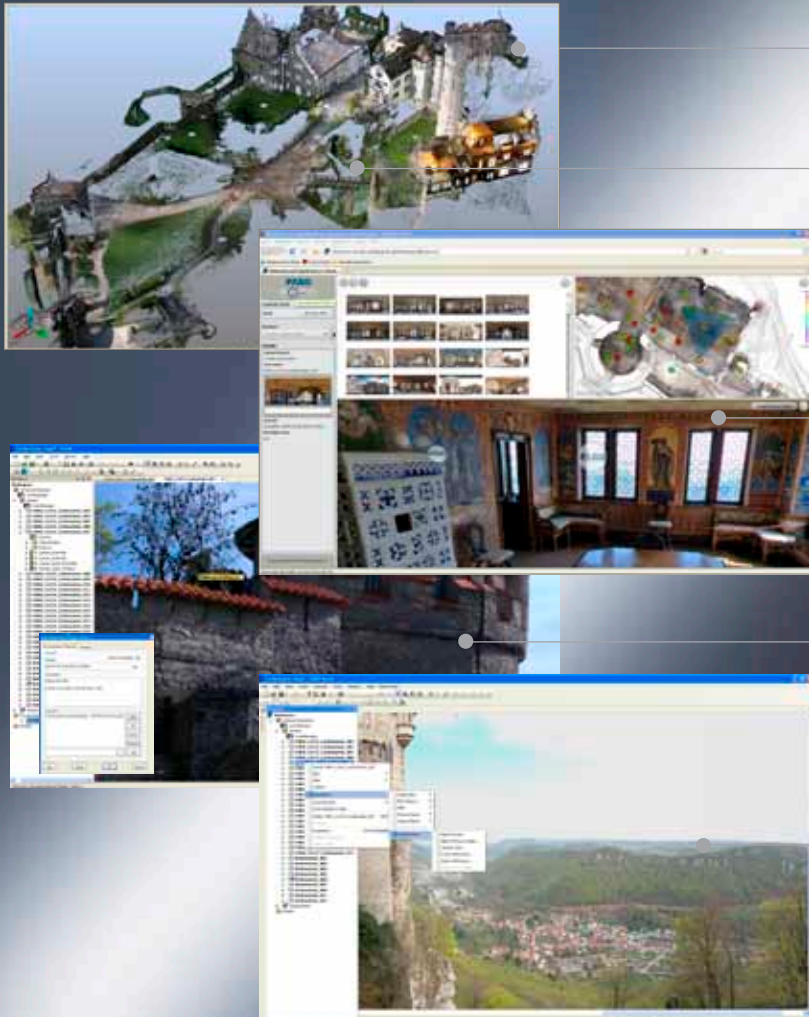


FARO Scene



NEW - 64-Bit Support

No software limitation on the amount of scan data.

Automatic Scan Alignment

Data post-processing, reference target search, and scan placement.

NEW - Web-Share Feature

Present your scanning projects over the internet. Provide intuitive access for your customers and partners.

NEW - Document objects

Attach any kind of document to your scan data. This allows you to extend your point clouds with additional information using hyperlink technology.

Improved User Interface

Tabbed windows, the new dockable structure view, a re-worked menu structure and new tool bars allow you to use Scene with less learning effort and provide more efficiency at the same time.

Real Virtuality Software!

FARO Scene is specifically designed for the FARO Laser Scanner. Scene processes and manages scanned data both efficiently and easily by using the automatic object recognition, scan registration and positioning. Scene can also colourise scans. The software is extremely user-friendly and generates high-quality data in next to no time. All you have to do is check the results at the end.

Once Scene has prepared the scan data, you can commence evaluation and further processing right away. Thus you have a whole series of easy-to-use functions at your disposal – from simple measuring to 3D visualization through to meshing and exporting into various point cloud and CAD formats.

Scan projects can now be published on a web server by the push of a button. The new Web-Share feature allows for easy access of the laser scans with a standard internet browser.

Features

- ▶ Web-Share feature for providing laser scans on the internet
- ▶ Support of 64-Bit systems
- ▶ Efficient workflow through the original data acquisition to the finished project
- ▶ Minimal manual post-processing editing required thanks to automatic scan processing
- ▶ Simple and easy to learn
- ▶ Interfaces to numerous industry-specific software products

Applications



Specifications

Editing Scan Data

- Automatic search for reference spheres and black and white reference targets
- Object markers for the manual identification of spheres, black and white reference targets circular reference targets planes and slabs
- Online correspondence search for the automatic assignment of reference points
- Automatic colouring of the scans with the high-resolution colour photographs of the FARO colour option
- Colouring of scan points with the aid of imported colour photos
- Deletion of scan areas
- Generation of new scan files of selected areas
- Filters (including “dark points”, and “stray points”)

Data Management of Extensive Projects

- Hierarchical structure
- Bundling of unlimited number of scans to one project

Analysis

- Distance measurement
- Analysis of evenness

Navigation

- Displaying of scan positions for viewpoint selection and changing to other scans by clicking
- 3D navigation in flight and inspection mode
- Predefined views (front view, side view, top view)

Sharing

- Web-Share presents scanning projects on Windows web server
- Automatically creates overview maps & panoramic scan images
- Enables to download workspace & scan files
- Protected by user right management of the server

Import & Export

- Control points for geo-referencing (.cor, .csv)
- Scan points (FARO Scan, FARO Cloud, .dxf, VRML, .igs, .txt, .xyz, .xyb, .pts, .ptx, .ptc, .ptz [import only], .pod [export only])
- CAD objects (.wrl [im- and export], .igs and .dxf [export only])
- Import digital photos (.jpg, .png, .bmp)
- Export panoramic images (.jpg)
- Direct binary data transfer to: AutoCAD, Microstation, Geomagic, Polyworks, Pointools, Reconstructor, AVEVA, Intergraph, Carlson and more than 40 others

Creating Workspaces

- Object fitting with visual quality indicators for spheres/tubes/planes (including automatic border detection)
- Create meshed surfaces
- Take measurements
- Intuitive user interface with structure view
- Documentation objects to add notes and attach external documents via hyperlink technology

Views

- 3D view, planar view & quick view
- Colour scans are shown either in black & white or colour
- CAD object display
- Colour gradient depiction for displaying point distances from reference planes or the scanner location

System Requirements

- Microsoft Windows XP (Prof., SP2 or higher), Windows 7
- 64-Bit version available
- At least 1GHz PII (2.5GHz P4 recommended)
- 1GB RAM (4GB @ 32 Bit, 8GB @ 64 Bit recommended)
- Mouse with 2 buttons and wheel
- Graphics card with 128MB and OpenGL hardware acceleration
- Network interface card

Areas of Application

- Process industry and power plant design
- Digital factory / virtual reality
- Architecture
- Civil engineering and plant design
- Archaeology and cultural preservation
- Factory planning / automation technology
- Safety engineering and forensics
- Marketing, advertising and computer graphics

