

SceneCenter[®] v1.2

Datasheet

October 2009

The comprehensive solution to
manage, document and present a scene

What's new in SceneCenter® v1.2?

Full integration of Windows Mediaplayer

- ▶ All operating controls are available now
- ▶ Individual control of playback
- ▶ Any format can be used if the right codec for Windows Mediaplayer is installed

Image quality of the publication

- ▶ The resolution of published full spherical images is improved

Publication to Microsoft Word

- ▶ SceneCenter v1.2 offers the possibility to publish the report to Microsoft Word
- ▶ The publication will be saved as .docx and can be individually modified with Microsoft Word
- ▶ An installation of Microsoft Word 2007 is needed on the system where SceneCenter is installed

GPS altitude information in the publication

- ▶ The GPS altitude is now published into the Microsoft Word report, as comparably known from the quick info

Keyword filter is applicable to the measurement lines

- ▶ All functions of the keyword filter are now applicable to all measurement lines
- ▶ This offers the possibility to show and hide specific measurement lines
- ▶ Measurement lines can be color coded (not just yellow)

Describe measurement lines

- ▶ Measurement lines can be individually described with up to 25 characters

Comprehensive feature list

Case management

- ▶ Creation and deletion of cases
- ▶ Cases have a name, ID number, beginning and ending date, etc.
- ▶ Individual team members can be assigned to a case
- ▶ Cases can be archived and de-archived
- ▶ Case templates for easy re-use of existing structures

File import and export

- ▶ Full spherical images and measurement pairs (SceneCam® files)
- ▶ Standard digital images (JPEG, TIFF, GIF, BMP, PNG, TGA)
- ▶ Videos (AVI, WMV, MPEG and QuickTime)
- ▶ Audio files (WAV, MP3, AAC, many more)
- ▶ Adobe Portable Document Format (PDF)
- ▶ Adobe Flash files (SWF) for animations
- ▶ Links to external web sites and streaming video servers
- ▶ Multiple files of different types can be imported in one batch
- ▶ Renaming multiple files while importing
- ▶ Importing files in the background while continuing work
- ▶ Exporting of any previously imported data to local files
- ▶ Exporting of printable JPEG file for full spherical images and measurement pairs

Full spherical image viewing

- ▶ Zooming and panning using mouse and keyboard
- ▶ Adjusting exposure on high dynamic range images
- ▶ Load-on-demand of data minimizes network load
- ▶ Measurements within pairs of full spherical images
- ▶ Display of GPS coordinates (if available in full spherical image)

Photo viewing

- ▶ Operations zoom, pan and adjust exposure as with full spherical images
- ▶ Working with huge images by leveraging load-on-demand of image details

Plans and floor maps

- ▶ A comprehensive overview over a scene by taking advantage of floor maps
- ▶ The current viewing direction of full spherical images is indicated on plans and floor maps

Text documents

- ▶ Adding of formatted textual information
- ▶ Standard text formatting (e.g. boldface, enumeration etc.)
- ▶ Copy & paste from external documents (images, tables, etc. not supported)

Data elements, evidences, traces

- ▶ Selection from a multitude of evidences, traces and locality types to represent the exact findings at the crime scene
- ▶ Creating of data elements from the main or context menus according to personal preference
- ▶ Adding textual description to any data element
- ▶ Exporting of a complete list of all evidences and traces to a Microsoft Excel file

Hotspots

- ▶ In photos and spherical images, hotspots mark links to any data element

Keywords

- ▶ Adding of one or more keyword to any data element
- ▶ Keywords can be used to assign attributes to evidences or traces (e.g. originator of trace, status of trace analysis, etc.)
- ▶ Assigning colors to keywords enables their usage to categorize hotspots
- ▶ Filtering hotspots by assigned keywords
- ▶ Add one or more keywords to a measurement line **(NEW)**

Publish case data to PDF

- ▶ Publishing of an individual case data selection to printable PDF file
- ▶ Publishing a Microsoft Word document (**NEW**)

Publish case for interactive use (SceneCase®)

- ▶ Publishing of a individual case data selection to file storage, enabling interested parties to interactively view and understand the case
- ▶ Published cases can be run on any Windows PC - even with minimal access privileges - without having to install or de-install anything (no residual files or data left on the PC)

Navigator

- ▶ Tree view of all data managed in a case (well known from Windows Explorer view)
- ▶ Use folder concept for flexible grouping of data
- ▶ Renaming of any data element or folder
- ▶ Moving, reordering and linking of data elements using mouse drag & drop
- ▶ Linking of any data element to any other data element, generating structure
- ▶ Personal inbox (invisible to other users) for data preparation before moving it into folder structure
- ▶ Recycle bin
- ▶ Special groups for evidences, traces and other data

User interface

- ▶ Viewing tabs that can be freely arranged
- ▶ Tooltips show quick previews of data elements (e.g. preview images, short description) without having to open the element in a larger window
- ▶ Keyboard shortcuts for common tasks

Multi-User operation

- ▶ Cases can be worked on with a large number of users concurrently (limited only by server/network hardware and number of users licensed)
- ▶ Changes made by other users are visible immediately
- ▶ Data in use is locked against modification by other users, avoiding conflicts

Mobile operation

- ▶ Usage of Notebooks and mobile servers for assembling case data on-site
- ▶ Moving case data from SceneCenter® v1.2 Mobile Server to Master Server after on-site data collection is complete

Administrative tasks

- ▶ Creation, editing and deactivation of user accounts
- ▶ Central user and license management
- ▶ User and license information is copied to dependent servers automatically
- ▶ Easy installation and update of server and client software
- ▶ Administrative message broadcasting functionality
- ▶ Extensive system logging facility

Security

- ▶ Access to the database is only possible with the SceneCenter® v1.2 client software
- ▶ Personalized password protected user accounts

Platform

- ▶ SceneCenter® v1.2 client software runs on Microsoft Windows compatible PCs with reasonable hardware requirements (Windows 2000, XP and Vista)
- ▶ Built with the latest Microsoft .NET technology
- ▶ SceneCenter® v1.2 Server runs on Windows operating systems

Documentation

- ▶ Available as online help, PDF files and printed documents

Technical Information

Database limits

- ▶ Maximum database size: 32 TB (Terabytes)
- ▶ The maximum number of full spherical images in a database is only limited by the maximum database size
- ▶ There is a maximum of 200 SceneCenter® v1.2 users for one installation

Network requirements

Client PCs must be connected to the server by at least a 100 MBit/s full-duplex switched Ethernet link (GigaBit Ethernet is recommended).

Servers should be connected to the network with a GigaBit/s Ethernet link (100 MBit/s absolute minimum, suitable for up to 10 concurrent users).

Currently most WAN and WLAN connections are not sufficient for the SceneCenter® v1.2 application due to bandwidth and latency considerations.