
synedra View Personal

Feature Overview

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synedra information technologies

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1. Feature Overview

1.1. General features

- Available in German, English, French, Russian and Turkish
- Documentation available in German, English, French and Russian, tutorial available in German, English and French
- Supported operating systems: Windows 7, Windows 7 x64, Windows 10 Windows 10 x64
- Can be run as a native 64-bit application; for an optimized performance and quick loading of big studies > 4GB
- Support of HTTPS for software updates
- Updates can be received via a proxy server
- Intelligent mechanism to swap documents allows to load and edit big amounts of data (e.g., DICOM multi-frames and DICOM embedded MPEG videos) on 32-bit and 64-bit operating systems
- Patient-centered, hierarchically structured overview of documents
- Direct display of all relevant image formats without the need to change the application
- PDF viewer with many features, e.g., search, adjust page and width, zoom, rotate, print (document and individual page)

- Quickview of PDF documents from the documenttree
- Integrated media player based on ffmpeg providing extensive support of different video formats
- Documents can be opened in external programs (e.g., MS Word, MS PowerPoint, Adobe Photoshop)
- Documents can be copied to all relevant office and graphic programs for further editing
- Configurable resolution of images for copies to the clipboard and for drag&drop
- Options for the export of data to local media:
 - Data can be anonymized
 - Export of one image out of n, marked images
- File and CD browser with preview function; optional web browser
- Status tab providing feedback on synedra View Personal background activities (e.g., saving)
- Keyboard shortcuts for an efficient access to tools and functions
- Functions can be assigned individually to mouse keys
- IHE-compliant implementation of DICOM Query/Retrieve

1.2. Image viewing and editing

- synedra View Personal may not be used for medical purposes
- DICOM display:
 - All DICOM image types, including x-ray (CR), MR, CT, nuclear medicine, PET, angiography, fluoroscopy
 - DICOM embedded data, including MPEG2, PDF
 - DICOM Structured Reports
 - Previews of DICOM embedded PDF documents
- Support of HL7 CDA
- Support of image file formats: JPEG, JPEG 2000, Photoshop, TIFF, PNG, BMP (Windows Bitmap), XPM, PNM, GIF..
- Single- and multi-monitor set-ups:
- Image display on all screens available; fullscreen mode
- Automated hanging of series/sequences in a specific order by means of hanging protocols
- Automated hanging of examinations/series in 1x2, 2x1, 2x2, 2x3, 3x2 or 3x3 grids (also available for multi-selections of examinations or series)
- Screens can be divided independently from one another; screen contents can be distributed over the available monitors and moved flexibly

- Wide range of image viewing functions, including window, zoom, magnifier, shutter, pan, rotate, mirror, false colors
- Synchronize tools for synchronous scrolling, windowing as well as zooming and panning in several series
- Window values can be entered manually
- Window tool also allows to modify the contrast and brightness of color images
- Splitting of DICOM series into sequences based on pre-defined criteria, e.g., resolution, slice thickness, MR weighting
- Individually configurable window presets
- Support of multiplanar reconstructions (MPR):
 - Rotation cube for an easy handling of multiplanar reconstructions
 - Support of thickslab reconstructions (MinIP, MIP, AVG, MED)
 - Configurable initial view of MPR examinations
- Annotations in the form of arrows, circles, and text
- Wide range of measurement tools:
 - Length and surface measurements (also in percent), angle measurement (3- and 4-point), freehand measurement
 - Density/gray values measurements
- Image calibration tool; support of different measurement units
- Text annotations can be magnified and/or reduced in size independently from one another
- The image text can be configured and masked by default for specific modalities
- Support of localizers for scrolling in series of slice images
- Undo and redo for image editing functions
- Cine Loops: multiframe sequences (e.g., angiography, nuclear medicine, ultrasound sequences) and series of slice images as film
- Numerous possibilities for format conversions, e.g., DICOM in JPEG, DICOM in DICOM

1.3. Integrated special features

- DICOM Query/Retrieve: requests can be made to a DICOM archive or a modality; data can be transferred from this external system to synedra View Personal
- DICOM/EXIF Dump: display of the DICOM and EXIF information contained in the image

1.4. Usage and support

- synedra View Personal may not be used for medical purposes and does not include any support