
synedra View Personal

Version 20 "Kassiopeia"

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synedra information technologies

www.synedra.com/en/¹

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1. Feature Overview

1.1. General features

- Available in German, English, French and Russian
- Documentation available in German, English, French
- Supported operating systems: 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
- Options for the export of data to local media:
 - Data can be anonymized
 - Export of one image out of n, marked images
- Integrated file and CD browser with preview function; optional web browser
- Keyboard shortcuts for an efficient access to tools and functions

¹ <https://www.synedra.com/en/>

- Functions can be assigned individually to mouse keys
- Numerous possibilities for format conversions of images and videos; creation of conversion templates

1.2. Image viewing and editing

- Direct display of all common image formats without the need to change the application
- Integrated PDF viewer with many features, including search, page preview, rotate, print
- Integrated media player based on ffmpeg, providing extensive support of different video formats
- DICOM display:
 - All DICOM image types, including x-ray (CR), MR, CT, nuclear medicine, PET, angiography, fluoroscopy
 - Data embedded in DICOM: MPEG2, MPEG4, PDF
 - DICOM Structured Reports
- Support of HL7 CDA
- Support of numerous image and multimedia file formats, including JPEG, JPEG 2000, Photoshop, TIFF, PNG, BMP (Windows Bitmap), XPM, PNM, GIF
- Automated hanging of examinations/series in 1x2, 2x1, 2x2, 2x3, 3x2 or 3x3 grids (also available for multi-selections of examinations or series)
- Wide range of image viewing functions, including window, zoom, magnifier, shutter, scroll, pan, rotate, mirror, false colors
- Individually configurable window presets for CT examinations, including bone window, lung window
- Support of Thick Slab projections (MIP, MinIP, AVG) in stack view
- Support of localizers for scrolling in series of slice images
- Visualization of the scroll direction when scrolling through an image stack
- Cine Loops: play-back of multiframe sequences (e.g., angiography, nuclear medicine, ultrasound sequences) and series of slice images (e.g., CT, MR) as film
- Synchronize tools for synchronous scrolling, windowing, zooming and panning as well as for the synchronous application of the viewing properties "Invert" and "Edge enhancement" in several series
- Support of multiplanar reconstructions (MPR):
 - Rotation cube for an easy handling of multiplanar reconstructions
 - Orientation lines to visualize how planes are situated to one another; orientation lines can be shown and hidden
 - Support of Thick Slab reconstructions (MinIP, MIP, AVG, MED); configuration of user-defined slice thickness possible
 - Configurable initial view of MPR examinations and configurable layout in MPR view

- In the reconstructed view, it is possible to display two topograms (scouts), which inform users about the position of the reconstructed slice
- Wide range of measurement and annotation tools:
 - Distances with optional display of the midpoint and snapping at 45 degree increments
 - Areas
 - Angles (3-point, 4-point, 2-line angle measurements) including snapping at 45 degree increments
 - Freehand
 - Spline
 - Circles with calculation of diameter, circumference and area
 - Density/gray value measurements
 - Measurements on Doppler ultrasound images: time and velocity measurements; display of the Resistive Index
 - Deleting/applying/modifying selected measurements/annotations
 - Image calibration tool; support of different measurement units
- Undo and redo for image editing functions

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