

synedra Video

Version 22 "Niobe"

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1. Feature Overview

1.1. General Features

- Optimized for workflows that are typical when it comes to the acquisition of videos and images directly from video sources, e.g., from endoscopes
- Optimized for use on touchscreen devices
- Login via Single sign-on with Kerberos without the need to enter user name and password
- Integrated PDF viewer with many features, including search, adjust page, adjust width, print, delete, split PDF document, etc.
- Integrated media player based on ffmpeg, providing extensive support of different video formats
- Encrypted data transfer between synedra Video and the synedra Backend possible
- Support of SSC for software updates and web service calls
- Supported operating systems: Windows 10 x32, Windows 10 x64, Windows 10 IoT x64 (recommended), Windows 11
- User interface available in German, English and French
- Documentation available in German, English and French

1.2. Recording of Videos and Snapshots

- Recording of snapshots and video sequences from devices with video output, e.g., sonography, endoscopy, fluoroscopy, intra-oral cameras, video recorders, etc.
- Transmitting the switch signal from the endoscope directly to synedra Video. As a result, synedra Video starts/stops the video recording or creates a snapshot.
- Integration of digital and analog video and audio sources
- Recording of digital and analog video sources in SD and HD (720p, 1080i, 1080p)
- Support of the following filters: Deinterlacer, Framerate Converter, Image Scaler
- Possibility to record videos before the actual recording starts (Timeshift function)
- Video recording with and without sound

1.3. Import/Archiving and Export

- Data are either archived in synedra AIM or exported to the file system after the examination has been completed
- Data can be archived in the standardized multimedia formats MPEG4 and H.264 for video files and AAC for audio files
- Context is assigned via a worklist
- Offline mode—Worklists and archiving orders are stored locally; archiving continues automatically once a network connection is provided again
- DICOM communication in the following areas: worklist and archiving
- Wide range of print functions:
 - For DICOM printers (also in color)
 - For paper printers
 - For the creation of PDF documents, e.g., to provide a compilation of the most relevant images
 - For the creation of new DICOM series, e.g., a series of “key images”
 - Creating and archiving PDF documents and DICOM series in one step
 - Selective printing (one image out of n, marked images)