



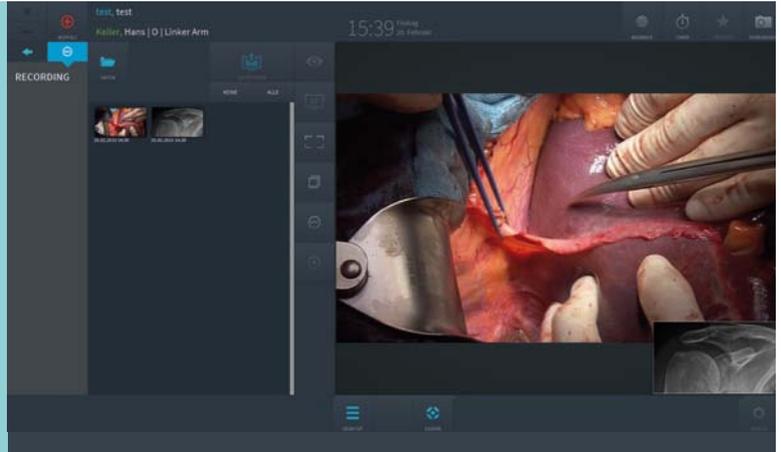
STUDIO



EXPORT



IMPORT



CX-STUDIO

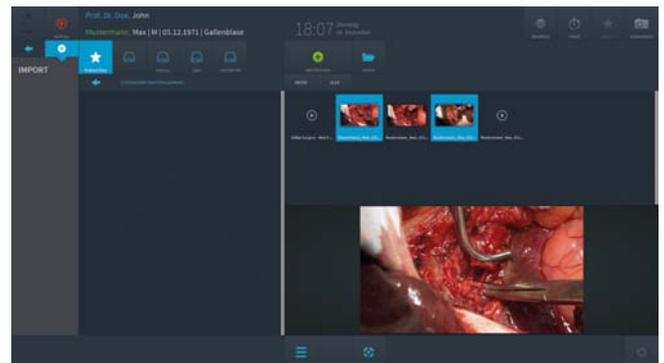
Secure documentation



CX-STUDIO provides the O.R. team with its own documentation solution and offers intelligent support when obtaining, storing and processing images, videos, or clinical parameters from diverse sources.

Individual image and video sequences can be recorded, and single images can also be captured during the recording of a video sequence. Up-to 2 signals of different devices can be processed simultaneously.

All information can be integrated into already imported data to complete patient files. In addition, images in JPEG, PNG, TIFF, and BMP formats can be imported from network directories, local directories, CD/DVD drives, or memory sticks.



Worklists are generated locally or imported with the support of the CX-LINK module through DICOM Modality Worklist (MWL), Service Class Providers (SCPs), or the HL7 interface (ORM/SIU messages).

With the STUDIO module, the O.R. team can import images to complete patient files.

Images and videos can be converted to DICOM or non-DICOM formats, such as JPEG, PNG, TIFF, BMP, and MPEG4. The data can be exported to the chosen target directory: PACS, local directories, network directories, CDs/DVDs, and USB devices.

All settings related to image, video, and text formats as well as target directories are customizable.

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Characteristics

| Features | Advantages |
|---|---|
| ✓ intuitive operation via touch | ✓ operation in both sterile and non-sterile areas is possible |
| ✓ automatic and manual creation of study and patient data | ✓ documentation in the patient context |
| ✓ import of data (images/videos) to the actual patient case | ✓ add external content to a study |
| ✓ simultaneous recording of image and video signals | ✓ optimal documentation of the procedure |
| ✓ export in several formats and to different destinations | ✓ flexible and fast storage of the selected data |
| ✓ creation of checklists | ✓ comprehensive documentation solutions |
| ✓ access to intranet/internet via integrated browser | ✓ fast access to relevant data |
| ✓ emergency function (with/without user login) | ✓ fast/direct treatment of the patient |
| ✓ user management | ✓ no abuse by unauthorised personnel |
| ✓ presets for storing user-specific settings | ✓ user-specific adjustment of CX-PRIME |

Technical data

| | CX-STUDIO 90 | CX-STUDIO 180 | CX-STUDIO 360 |
|--------------------------|--|--|--|
| DICOM | – | Store (SCPs), Worklist (MWL), MPPS | Store (SCPs), Worklist (MWL), MPPS |
| HL7 | – | – | MDM, ORM/SIU messages |
| checklist | local | local | local, HIS |
| storage location | local, network | PACS, local, network | HIS, PACS, local, network |
| control interface(s)* | touchscreen, keyboard, footswitch, camera head buttons | touchscreen, keyboard, footswitch, camera head buttons | touchscreen, keyboard, footswitch, camera head buttons |
| video inputs | default: 3G-SDI or DVI additional inputs possible through CX-DIRECT | default: 3G-SDI or DVI additional inputs possible through CX-DIRECT | default: 3G-SDI or DVI additional inputs possible through CX-DIRECT |
| supported video codecs | MPEG 2 | MPEG 2, MPEG 4 | MPEG 2, MPEG 4 |
| supported picture format | JPG, TIFF, PNG, BMP | JPG, TIFF, PNG, BMP | JPG, TIFF, PNG, BMP |
| supported video format | from 720 x 480 px up to 1920 x 1080 px (SD up to FullHD) | from 720 x 480 px up to 1920 x 1080 px (SD up to FullHD) | from 720 x 480 px up to 1920 x 1080 px (SD up to FullHD) |
| audio input | standard 3.5 mm stereo phone jacks | standard 3.5 mm stereo phone jacks | standard 3.5 mm stereo phone jacks |

* User control interface of CX-STUDIO is keyboard/mouse and touchscreen. Footswitch, camera head buttons can only operate the image/video capture (i.e. start/stop video, capture image).