

APPLICATIONS



Sante DICOM Viewer Free



Sante DICOM Viewer 3D Free



Sante DICOM Viewer Pro









Sante DICOM Viewer 3D Pro



Sante DICOM Editor



Sante DICOM Editor 3D

| Features |  |  |  |  |  |  |
|---|---|---|---|---|---|---|
| Compatibility | | | | | | |
| Compatible with Windows 10/8.1/8/7/Vista | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Compatible with Windows Server 2016/2012/2008 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Compatible with Windows XP | ✓ | ✗ | ✗ | ✗ | ✗ | ✗ |
| Support of all charsets (Latin, Chinese, Japanese, Korean, Cyrillic, Greek, etc.) | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| DICOM File Manipulation | | | | | | |
| Read DICOM files of any manufacturer, modality, and transfer syntax | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Open multiple DICOM files (study/series) simultaneously | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Open from command line DICOMDIR files and folders with DICOM files | ✗ | ✗ | ✓ | ✓ | ✓ | ✓ |
| Scout image/Localizer/Cross-reference lines support | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| DICOM Overlay layer support | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Orthogonal Multi-Planar Reconstruction (Ortho MPR) | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Synchronized level-window between the series | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Synchronized field of view between the series | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Synchronized frame view between the series | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Series comparison side-by-side | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Copy file/series to folder | ✗ | ✗ | ✓ | ✓ | ✓ | ✓ |
| Save modified file/series | ✗ | ✗ | ✗ | ✗ | ✓ | ✓ |
| Convert NEMA 2 files to DICOM 3 | ✗ | ✗ | ✗ | ✗ | ✓ | ✓ |

DICOM Frame Manipulation

| | | | | | | |
|--|---|---|---|---|---|---|
| Multi-frame DICOM file support | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Play multi-frames as movie | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Interpolated (smooth) zoom | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Zoom in/out, Zoom window, Dynamic zoom | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Fit width, Fit height, Fit All | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Invert frame order | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Show/Hide frames | ✗ | ✗ | ✗ | ✗ | ✓ | ✓ |
| Export a frame as DICOM file | ✗ | ✗ | ✗ | ✗ | ✓ | ✓ |
| Flip horizontal and vertical | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Rotate (90° left, 90° right, 180°) | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Invert colors/intensity | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Pseudo-colorizing (with palettes) | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Image resize, Canvas resize, Crop image | ✗ | ✗ | ✓ | ✓ | ✓ | ✓ |
| Save a frame as simple image (jpg, png, tiff, bmp) | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Save a frame as simple annotated image (jpg, png, tiff, bmp) | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |

Export DICOM Frames

| | | | | | | |
|---|---|---|---|---|---|---|
| Export merged DICOM files/series as a single multi-frame DICOM file | ✗ | ✗ | ✗ | ✗ | ✓ | ✓ |
| Export to video files | ✗ | ✗ | ✓ | ✓ | ✓ | ✓ |
| Export 16-bit DICOM files to tiff 16-bit image format | ✗ | ✗ | ✓ | ✓ | ✓ | ✓ |
| Export to simple images (jpg, tiff, png, bmp) | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Export to HTML | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Export headers to text files | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |

Batch Processor

| | | | | | | |
|--|---|---|---|---|---|---|
| Batch convert images of a folder to DICOM format | ✗ | ✗ | ✗ | ✗ | ✓ | ✓ |
| Batch convert videos of a folder to DICOM format | ✗ | ✗ | ✗ | ✗ | ✓ | ✓ |
| Batch export the frames of a multi-frame DICOM files as individual DICOM files | ✗ | ✗ | ✗ | ✗ | ✓ | ✓ |
| Batch modify the transfer syntax of DICOM files | ✗ | ✗ | ✗ | ✗ | ✓ | ✓ |
| Batch modify a tag of DICOM files | ✗ | ✗ | ✗ | ✗ | ✓ | ✓ |
| Batch modify headers of DICOM files (insert/modify/delete fields) | ✗ | ✗ | ✗ | ✗ | ✓ | ✓ |
| Batch anonymize (with templates) DICOM files of a folder and its subfolders | ✗ | ✗ | ✗ | ✗ | ✓ | ✓ |
| Batch anonymize DICOM files of a folder and its subfolders | ✗ | ✗ | ✓ | ✓ | ✓ | ✓ |
| Batch convert DICOM files of a folder and its subfolders to image and video | ✗ | ✗ | ✓ | ✓ | ✓ | ✓ |
| Batch export the headers of DICOM files of a folder and its subfolders to text files | ✗ | ✗ | ✓ | ✓ | ✓ | ✓ |

DICOMDIR File Manipulation

| | | | | | | |
|--------------------|---|---|---|---|---|---|
| View, Open, Create | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Edit | ✗ | ✗ | ✓ | ✓ | ✓ | ✓ |

DICOM Networking

| | | | | | | |
|--|---|---|---|---|---|---|
| C-FIND SCU/SCP | ✗ | ✗ | ✓ | ✓ | ✓ | ✓ |
| C-MOVE SCU/SCP | ✗ | ✗ | ✓ | ✓ | ✓ | ✓ |
| C-STORE SCU/SCP | ✗ | ✗ | ✓ | ✓ | ✓ | ✓ |
| C-ECHO SCU/SCP | ✗ | ✗ | ✓ | ✓ | ✓ | ✓ |
| Build-in database in which the transferred files are saved automatically | ✗ | ✗ | ✓ | ✓ | ✓ | ✓ |
| It can be used as a mini PACS server | ✗ | ✗ | ✓ | ✓ | ✓ | ✓ |

Image processing

| | | | | | | |
|----------------------------------|---|---|---|---|---|---|
| Blur, Sharpen filters | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Edge detection, Edge enhancement | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Minimum, Median, Maximum masks | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Dust and scratches removal | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| User-defined convolution masks | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Subtraction filter for DSA | ✗ | ✗ | ✓ | ✓ | ✓ | ✓ |

Annotations

| | | | | | | |
|---|---|---|---|---|---|---|
| Default annotations per modality | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| User defined default annotations | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Annotation texts and arrows | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Insert, delete, modify, move annotations | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| User defined text color, size and font family | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Write annotation in image (burn-in) | ✗ | ✗ | ✗ | ✗ | ✓ | ✓ |
| Create overlay layer from annotations | ✗ | ✗ | ✗ | ✗ | ✓ | ✓ |

Measurements

| | | | | | | |
|---|---|---|---|---|---|---|
| Measure length and angle | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Polyline | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Intensity – Color picker | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| ROI and Rectangular ROI Tool (min and max value, mean value and standard deviation, area) | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Calibrated Ultrasound measurements (length, angle) | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |

| | | | | | | |
|---|---|---|---|---|---|---|
| Calibrated Ultrasound measurements (area) | ✗ | ✗ | ✓ | ✓ | ✓ | ✓ |
| Area and volume measurements from selections | ✗ | ✗ | ✓ | ✓ | ✓ | ✓ |
| Selections | | | | | | |
| Rectangle, Circle, Ellipse, Polygon, Free Hand, Magic wand, Eyedropper tools | ✗ | ✗ | ✓ | ✓ | ✓ | ✓ |
| Selection addition, subtraction, intersection | ✗ | ✗ | ✓ | ✓ | ✓ | ✓ |
| Invert selection | ✗ | ✗ | ✓ | ✓ | ✓ | ✓ |
| Feather | ✗ | ✗ | ✓ | ✓ | ✓ | ✓ |
| Modify selection (similar, grow, expand, contract, trace contour) | ✗ | ✗ | ✓ | ✓ | ✓ | ✓ |
| Statistics on selections (number of voxels, min, mean, max values and standard deviation) | ✗ | ✗ | ✓ | ✓ | ✓ | ✓ |
| Crop to selection | ✗ | ✗ | ✓ | ✓ | ✓ | ✓ |
| Clear the selected area (fill with black color) | ✗ | ✗ | ✓ | ✓ | ✓ | ✓ |
| Fill the selected area with the background color | ✗ | ✗ | ✓ | ✓ | ✓ | ✓ |
| Keep many selections as ROIs | ✗ | ✗ | ✓ | ✓ | ✓ | ✓ |
| Export kept selections to text file (x, y position, value) | ✗ | ✗ | ✓ | ✓ | ✓ | ✓ |
| DICOM CD/DVD Creation | | | | | | |
| Burn DICOM CDs/DVDs that contain Sante DICOM Viewer Free | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Create DICOM CDs/DVDs from loaded studies/ series/files | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Create DICOM CDs/DVDs from DICOMDIR files | ✗ | ✗ | ✓ | ✓ | ✓ | ✓ |
| Create DICOM CDs/DVDs from the files in a folder | ✗ | ✗ | ✓ | ✓ | ✓ | ✓ |
| Build-in Tools | | | | | | |
| Curved Multi-Planar Reconstruction (Curved MPR) | ✗ | ✗ | ✗ | ✗ | ✓ | ✓ |

| | | | | | | |
|---|---|---|---|---|---|---|
| Contrast Agent probe | ✗ | ✗ | ✗ | ✗ | ✓ | ✓ |
| Presentation State file editor | ✗ | ✗ | ✗ | ✗ | ✓ | ✓ |
| Structured Report file editor | ✗ | ✗ | ✗ | ✗ | ✓ | ✓ |
| DICOM to DICOM converter (modification of transfer syntax) | ✗ | ✗ | ✗ | ✗ | ✓ | ✓ |
| DICOM file modification (transfer syntax, image width and height, color depth, frame insertion, removal, sorting, etc.) | ✗ | ✗ | ✗ | ✗ | ✓ | ✓ |
| Dicomizer (DICOM file creation from videos and simple images (jpeg, tiff, png, bmp)) | ✗ | ✗ | ✗ | ✗ | ✓ | ✓ |
| Single multi-frame DICOM file creation from multiple DICOM files of the same series | ✗ | ✗ | ✗ | ✗ | ✓ | ✓ |
| Split a multi-frame DICOM file to multiple single frame DICOM files | ✗ | ✗ | ✗ | ✗ | ✓ | ✓ |
| Build-in anonymizer with templates | ✗ | ✗ | ✗ | ✗ | ✓ | ✓ |
| Build-in Database | ✗ | ✗ | ✓ | ✓ | ✓ | ✓ |
| DICOM file editor | ✗ | ✗ | ✓ | ✓ | ✓ | ✓ |
| DICOM multi-file (study/series) editor | ✗ | ✗ | ✓ | ✓ | ✓ | ✓ |
| DICOMDIR file editor | ✗ | ✗ | ✓ | ✓ | ✓ | ✓ |
| Build-in anonymizer | ✗ | ✗ | ✓ | ✓ | ✓ | ✓ |
| Burned-in annotation removal | ✗ | ✗ | ✓ | ✓ | ✓ | ✓ |
| Compare files tag-by-tag | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| DICOM file hexadecimal viewer | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 3D Model | | | | | | |
| Iso-surface 3D technique | ✗ | ✓ | ✗ | ✓ | ✗ | ✓ |
| Volume rendering 3D technique | ✗ | ✓ | ✗ | ✓ | ✗ | ✓ |
| Maximum Intensity Projection (MIP) 3D technique | ✗ | ✓ | ✗ | ✓ | ✗ | ✓ |
| Save 3D model as Image | ✗ | ✓ | ✗ | ✓ | ✗ | ✓ |
| Create video from 3D models | ✗ | ✗ | ✗ | ✓ | ✗ | ✓ |
| Create 3D model by partial data | ✗ | ✗ | ✗ | ✓ | ✗ | ✓ |

Miscellaneous

| | | | | | | |
|-----------------------------------|---|---|---|---|---|---|
| On-line Help | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Quick Start Guide | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Customizable mouse | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Mouse-driven level-window | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| User-defined window presets | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| External DICOM dictionary support | ✗ | ✗ | ✓ | ✓ | ✓ | ✓ |
| Copy image to clipboard | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Copy annotated image to clipboard | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |