

APPLICATIONS



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	✓	✓	✓	✓