

SolidView 2021 Features List



SolidView/Lite Features

- Windows 10 support without special graphics hardware.
- View, measure and modify SVD files from SolidView/Pro.
- View STL, SFX, SolidWorks, OBJ, AMF and VRML CAD files.
- Prints all supported file formats.
- Assembly viewing tools.



SolidView Features

- Windows 10 support without special graphics hardware.
- View, measure, modify and rotate SVD, STL, SFX, SolidWorks, OBJ, AMF and VRML CAD files.
- Edit and Save SVD files created from SolidView/Pro.
- Prints all supported file formats.
- Assembly viewing tools.



SolidView/Pro Features

- Windows 10 support without special graphics hardware.
- Optional interfaces for Pro/E, CATIA, Unigraphics, IGES/VDA-FS, STEP and other formats.
- Export to STL, SVD and 2D image formats.
- View, measure, and modify SVD, STL, SFX, SolidWorks, VRML, PLY, OBJ, AMF, JT CAD files as well as popular 2D image formats.
- 3D dimensioning of edges, faces, arcs, points, objects and assemblies.
- Translate, scale, rotate, mirror, verify, copy and combine 3D data.
- Collaborative engineering review tools.
- Section Measuring – exportable to 2D DXF format.
- Scene Editing – create 3D slideshows.
- Mold analysis to highlight undercuts and draft.
- Paint Function – paint objects, faces, triangles, surfaces, cones, cylinders and shells.
- Verify STL integrity for RP applications.
- Context sensitive help and PMI support for Pro/E, UG and Catia V5/V6 interfaces.
- Prints all supported file formats.
- Assembly viewing tools.
- Floating and Stand Alone Licensing.
- File Compare – compare the differences between two files.
- Wall Thickness & Gap Analysis to identify minimum wall and gap areas.
- Export Metrics – export file extents and specifications.

Note: The SolidView family of products requires that you have a video card with OpenGL support. This is the typical setup for most personal computers.



SolidView/Pro RP Features

- Windows 10 support without special graphics hardware.
- Optional interfaces for Pro/E, CATIA, Unigraphics, IGES-VDA, STEP and other formats.
- Export to STL, SVD and 2D image formats.
- View, measure and modify SVD, STL, SFX, SolidWorks, VRML, PLY, OBJ, AMF, JT CAD files as well as popular 2D image formats.
- 3D dimensioning of edges, faces, arcs, points, objects and assemblies.
- Translate, scale, rotate, mirror, verify, copy and combine 3D data.
- Collaborative engineering review tools.
- Section Measuring – exportable to 2D DXF format.
- Scene Editing – create 3D slideshows.
- Directional and compound cutting - create smaller buildable parts.
- Drain hole and Z-adjust for more accurate Stereolithography parts.
- Automatic part layout for all popular rapid prototyping systems.
- Drag and drop manual part layout.
- Shell function for creating hollow parts from solid geometry.
- Automatic and manual STL repair; delete shells, fill small gaps, re-orient triangle normals and vertices.
- Mold analysis to highlight undercuts and draft.
- Verify STL integrity for RP applications.
- Paint Function – paint objects, faces, triangles, surfaces, cones, cylinders and shells.
- Context sensitive help and PMI support for Pro/E, UG and Catia V5/V6 interfaces.
- Prints all supported file formats.
- Assembly viewing tools.
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SolidView 2021 File Formats

SolidView/Lite - FREE

3D Import Formats

Extension(s)	Description
.sfx	SolidView Solid File eXchange data.
.sldasm	SolidWorks display list assembly data.
.sldprt	SolidWorks display list part data.
.stl	Ascii and binary Stereolithography rapid prototyping data.
.svd	SolidView Document format.
.wrl	VRML 2.0 data only.
.obj	Wavefront geometry.
.amf	Additive manufacturing format.

SolidView - \$99

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SolidView 2021 File Formats

SolidView/Pro - \$495

Import & Export Formats shown on this page are FREE with SolidView/Pro

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.obj	Wavefront geometry.
.amf	Additive manufacturing format.
.jt	3D data format for product visualization, collaboration and CAD data exchange.

3D Export Formats

Extension(s)	Description
.stl	Ascii and binary Stereolithography rapid prototyping data.
.svd	SolidView Document format.
.ply	Polygon file format.
.wrl	VRML 2.0 data only.

2D Import Formats

Extension(s)	Description
.bmp	OS/2 or Windows bitmap
.dxf	Autodesk Drafting Interchange
.dwg	Autocad drawing
.emf	Enhanced Windows metafile
.gif	CompuServe
.jpeg	JPEG group
.tif	Tagged Image File Format
.txt	Text document
.wmf	Windows metafile
.png	Portable Network Graphics
.exif	Exchangeable Image File
.rtf	Rich Text Format
.wri	Microsoft Write

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SolidView 2021 File Formats

Supported 3D SolidView File Formats

SolidView/Pro - \$495 single user

\$995 single network license (CAD interfaces additional, see below)

Optional 3D Import Formats - CAD Interfaces

CAD Interface	Extension(s)	Description	Single User Price	Network License Price
ACIS	.sat, .sab	AutoCAD ACIS data (2D & 3D). R1 - 2021 1.0 Requires SolidView/Pro ACIS/SAT CAD Interface.	\$295	\$595
Autodesk Inventor	.ipt, .iam	Autodesk Inventor part files versions 6 - 2021. Autodesk Inventor assembly files version 11 - 2021.	\$295	\$595
CATIA V4	.session, .model, .exp	Catia V4 (all versions). Imports faces, solids (exact and mock-up), volumes, skins, polyhedral surfaces, and SKD elements. Support for ditto, line, curve, composite curve, and conic wire-frame entities. Catia export and model data produced by Unix and mainframe versions of Catia 4.1.9 - 4.2.4.	\$795	\$1,595
Catia V5/V6	catpart, .cgr, .catproduct, .3dxml	Catia V5R8-V5-6R2021. Requires SolidView/Pro Catia V6 CAD Interface (up to version R2021x).	\$595	\$1,195
IGES/VDA-FS	.vda, igs, .iges	IGES and VDA-FS surface and solid files, IGES and VDA-FS 3D curve data, IGS and VDA-FS assembly files. IGES up to V5.3 VDA: 1.0 - 2.0.	\$495	\$995
Parasolid	.x_b, .x_t	Parasolid files up to version 33.0. Requires SolidView/Pro Parasolid CAD Interface.	\$295	\$595
Pro/E	.prt, .asm	Pro/E V16 up to Creo 7.0 surface and solids assembly and part data. Requires SolidView/Pro Pro/E CAD Interface.	\$595	\$1195
SolidEdge	.par, .asm, .psm, .dft	SolidEdge part, assembly, sheet metal, and draft (drawing) data up to SE 2021.	\$295	\$595
SolidWorks Geometry	.sldprt, .slddrw	SolidWorks drawing and part data up to V2021. Requires SolidView/Pro SolidWorks Geometry Interface.	\$295	\$595
STEP	.stp, .step	STEP AP203, AP214 and AP242 part and assembly data - Geometry only. Requires SolidView/Pro STEP CAD Interface.	\$495	\$995
Unigraphics	.prt	Unigraphics part and assembly data, up to version NX1926. Requires SolidView/Pro UG CAD Interface.	\$495	\$995

SolidView/Pro RP 2021 File Formats

SolidView/Pro RP - \$1,495

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\$2995 single network license (CAD interfaces additional, see below)

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