

File Formats

Supported 2D and 3D SolidView File Formats



SolidView/Lite

SolidView

SolidView/Pro

SolidView/Pro RP

The SolidView® family of products supports a variety of 2D and 3D file formats. New file types are being developed continually. For the latest information on supported file formats, please visit www.cadcommunications.com

SolidView/Lite

3D Import Formats

Extension(s)	Description	Notes
.dxf	3D face data in AutoCAD DXF format	
.obj	Wavefront/Alias 3D format	
.sfx	SolidView Solid File eXchange format	
.sldasm	SolidWorks assembly file	
.sldprt	SolidWorks part file	
.stl	Ascii and binary stereolithography rapid prototyping data	
.wrl	VRML 1.0 and 2.0 formats	1

SolidView/Lite 3D Import Notes:
1. VRML 2.0 requires the free VRML 2.0 plugin available from www.cadcommunications.com

SolidView

3D Import Formats

Extension(s)	Description	Notes
.dxf	3D face data in AutoCAD DXF format	
.obj	Wavefront/Alias 3D format	
.sfx	SolidView Solid File eXchange format	
.sldasm	SolidWorks assembly file	
.sldprt	SolidWorks part file	
.stl	Ascii and binary stereolithography rapid prototyping data	
.wrl	VRML 1.0 and 2.0 formats	1

SolidView 3D Import Notes:
1. VRML 2.0 requires the free VRML 2.0 plugin available from www.cadcommunications.com

3D Export Formats

Extension(s)	Description	Notes
.sfx	SolidView Solid File eXchange format	1

SolidView 3D Export Notes:
1. SolidView can edit and save an .sfx file, but new .sfx files cannot be created from other 3D data formats

SolidView/Pro and SolidView/Pro RP

3D Import Formats

Extension(s)	Description	Notes
.dxf	3D face data in AutoCAD DXF format	
.cat, .model, .exp	Catia Export and model files produced by the Unix and mainframe versions of Catia. Imports Faces, Solids (Exact and Mockup), Volumes, Skins, Polyhedral Surfaces, and SKD elements. Support for Ditto, Line, Curve, Composite Curve, and Conic wireframe entities. Supports all V4 versions.	1, 5
.iges	IGES surface and 3D curve data	2, 5
.obj	Wavefront/Alias 3D format	
.prt	Pro/E part files (R18-2001).	3, 5
.prt	Unigraphics part and assembly files V16 and earlier.	4, 5
.sfx	SolidView Solid File eXchange format	
.sldasm	SolidWorks assembly file	
.sldprt	SolidWorks part file	
.stl	Ascii and binary stereolithography rapid prototyping data	
.vda	VDA-FS (Verband Der Automobilindustrie Flachen Schnittstelle) files. German National Standard DIN 66301	2, 5
.wrl	VRML 1.0 and 2.0 formats	

SolidView/Pro and SolidView/Pro RP 3D Import Notes:

1. Requires SolidView/Pro Catia Import Option. No Catia license required.
2. Requires SolidView/Pro IGES-VDA Import Option.
3. Requires SolidView/Pro Pro/E Import Option. No Pro/E license required.
4. Requires SolidView/Pro UG Import Option and access to UG Gateway license.
5. Imported files may not be suitable for rapid prototyping functions without the use of the SolidView/Pro RP Repair function.

3D Export Formats

Extension(s)	Description	Notes
.dxf	3D face data in AutoCAD DXF format	
.iges	Planar IGES surface data	1
.obj	Wavefront/Alias 3D format	
.sfx	SolidView Solid File eXchange format	
.stl	Ascii and binary stereolithography rapid prototyping data	
.sv	SolidView 1.0 format	
.wrl	VRML 1.0 and 2.0 formats	

SolidView/Pro and SolidView/Pro RP 3D Export Notes:

1. Requires SolidView/Pro IGES-VDA Import Option.

SolidView/Pro and SolidView/Pro RP (continued)

2D Import Formats

Extension(s)	Description	Notes
.bmp	OS/2 or Windows bitmap	
.cgm	Computer Graphics metafile	
.dxf	Autodesk Drafting Interchange	
.dwg	Autocad drawing	
.emf	Enhanced Windows metafile	
.gif	CompuServe	
.hpgl, hpgl2, .plt	HP Graphics Language	
.jpeg	JPEG group	
.pct	Macintosh PICT	
.pcx	ZSoft Paintbrush	
.png	Portable Network Graphics	
.ras	Sun Microsystems	
.tga	Truevision (Targa)	
.tiff	Tagged Image File Format	
.txt	Text document	
.wmf	Windows metafile	

2D Export Formats

Extension(s)	Description	Notes
.bmp	OS/2 or Windows bitmap	
.eps	Encapsulated Postscript File	
.gif	CompuServe	
.jpeg	JPEG group	
.pct	Macintosh PICT	
.pcx	ZSoft Paintbrush	
.png	Portable Network Graphics	
.ras	Sun Microsystems	
.tga	Truevision (Targa)	
.tiff	Tagged Image File Format	
.wmf	Windows metafile	