CorelDRAW® TECHNICAL SUITE

XVL Studio Corel Edition vs. XVL Studio 3D CAD Corel Edition Add-On Comparison

CorelDRAW® Technical Suite makes it easy to integrate 3D views and models into your technical illustrations with the included basic version of XVL Studio Corel Edition.

For more powerful 3D CAD repurposing capabilities, the XVL Studio 3D CAD Corel Edition Add-On lets you perform more advanced 3D CAD visualization authoring, provides an automated update process, and gives you native 3D CAD, 3D exchange file format and advanced 3D PDF publishing support.

Find out which XVL Studio Corel Edition is right for your technical communication needs.

Features	XVL Studio Corel Edition Included with CorelDRAW® Technical Suite	XVL Studio 3D CAD Corel Edition Add-on to CorelDRAW® Technical Suite
Open and import 3D files from 3DStudio (3DS), U3D (Adobe PDF) and VRML*	✓	✓
DXF and DWG file support*	✓	✓
IGES file format support*	✓	✓ ADVANCED!
Open/ import 3D PDF files for editing*		✓
Open and import native 3D CAD files (including CATIA, PTC Creo, NX, Inventor, SolidWorks and other formats)*		✓
STEP, ParaSolid, JT support*		✓
Save 3D views and component positions as snapshots	✓	✓
Cross sections	✓	✓
3D animation tools		✓
Advanced process animation capabilities to generate step-by-step instructions		✓
ENHANCED! Assembly evaluation tools		✓
3D measurement tools		✓
ENHANCED! Automated update functionality for modified 3D CAD source files		✓
ENHANCED! Vector illustration output with direct connection to Corel DESIGNER™ for technical illustration		✓ ADVANCED!
Thick/thin line output in vector illustration (Advanced includes customizable settings)	✓	✓ ADVANCED!
ENHANCED! Combined vector illustration and shaded view (bitmap rendering) output		✓
ENHANCED! Output multiple snapshots as vector illustrations at once	✓	✓
Vector illustration output with direct connection to CorelDRAW® for creative design	✓	✓
Shaded view (bitmap rendering) output with direct connection to Corel PHOTO-PAINT™ for photo editing	✓	✓
3D output (IGES, U3D, VRML and more)		✓
3D PDF output, including animations		✓
Enhanced 3D visualization tools through XVL Studio add-on options:		✓ **
Advanced 3D PDF output options with the "Process PDF Template" option for XVL Studio		OPTIONAL**
"Electrical Routing" option to add accurate electrical routing (including wires, cables, harnesses and connectors) in 3D		OPTIONAL**

* For the full list of supported 3D and 3D CAD file formats and versions please see the following page.
** XVL Studio options can be licensed separately for using additional functionality in XVL Studio 3D CAD Corel Edition. For more information, please contact a Corel Sales representative.

3D model file formats supported with XVL Studio Corel Edition

Included with CorelDRAW® Technical Suite

3D File Format	File Extension	Supported Versions
3D Studio Scene (3DS)	3ds	Polygon models only
AutoCAD DWG	dwg	Polygon models only
DXF	dxf	Polygon models only
OBJ	obj	
Stereolithography file	stl	
Universal 3D	u3d	ECMA-363 (1st, 2nd & 3rd editions)
Virtual Reality Model language (VRML2)	wrl	
IGES	igs, iges	5.1, 5.2, 5.3

CAD file formats supported with XVL Studio 3D CAD Corel Edition

Add-on to CorelDRAW® Technical Suite

3D CAD System / File format	File Extension	Supported Versions
3D XML	3dxml	V5-6R2017 - V5-6R2019 (CATIA V5) V5-6R2017 - V5-6R2019 (CATIA V6)
Autodesk Inventor	ipt, iam	2019, 2020
CATIA Graphical Representation	cgr	V5-6R2017 - V5-6R2019
CATIA V4	model, session, dlv, exp	4.2.5
CATIA V5	CATProduct, CATPart	V5-6R2017 - V5-6R2019
NX I-deas	mf1, arc, unv, pkg	NX I-deas 6
IGES	igs, iges	5.1, 5.2, 5.3
Industry Foundation Classes	ifc	IFC2x Editions 2, 3, 4
JT	jt	6.4 – 10.2
NX (Siemens PLM Solutions)	prt	NX1847, NX1872, NX1899
Parasolid	x_t, x_b	Up to v32.0
PRC	prc	
Creo Parametric	asm, neu, prt, xas, xpr	4.0 - 6.0
Solid Edge	asm, par, pwd, psm	2019, 2020
SOLIDWORKS	sldasm, sldprt	2018, 2019, 2020
STEP	stp, step	AP 203 E1/E2, AP 214, AP242

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