



Compare the functionality and features of Lattice3D Studio Corel Edition vs. Lattice3D Studio CAD Corel Edition

CorelDRAW® Technical Suite 2017 makes it easy to integrate 3D views and models into your technical illustrations with the included basic version of Lattice3D Studio Corel Edition.

For more powerful 3D CAD repurposing capabilities, the **Lattice3D Studio 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 support.

Find out which Lattice3D Studio Corel Edition is right for your technical communication needs.

Features	Lattice3D Studio Corel Edition	Lattice3D Studio CAD Corel Edition*
	Included with CorelDRAW® Technical Suite 2017	Add-on to CorelDRAW® Technical Suite 2017
Open and import 3D files from 3DStudio (3DS), U3D (Adobe PDF) and VRML*	✓	✓
DXF and DWG file support*	✓	✓
IGES file format support*	✓ NEW!	✓ 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		✓
Assembly evaluation tools		✓
3D measurement tools		✓
Automated update functionality for modified 3D CAD source files		✓
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!
Output multiple snapshots as vector illustrations at once	✓ NEW!	✓ NEW!
Vector illustration output with direct connection to CorelDRAW® for creative design	✓ NEW!	✓ NEW!
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 Lattice3D Studio add-on options:		✓ NEW!
Advanced 3D PDF output options with the "Process PDF Template" option for Lattice3D Studio		OPTIONAL

*For the full list of supported 3D and 3D CAD file formats and versions please see the following page.

3D model file formats supported with Lattice3D Studio Corel Edition 2017

Included with CorelDRAW®
Technical Suite 2017

3D File Format	File Extension	Supported Versions
3D Studio Scene	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 (NEW!)	igs, iges	5.1, 5.2, 5.3

3D CAD file formats supported with Lattice3D Studio CAD Corel Edition 2017

Add-on to CorelDRAW®
Technical Suite 2017

3D File Format	File Extension	Supported Versions
3D XML	3dxml	V5-6R2014 - V5-6R2016 (CATIA V5), up to 2013x (CATIA V6)
Autodesk Inventor	ipt, iam	2016, 2017
CATIA Graphical Representation	cgr	V5-6R2014 - V5-6R2016
CATIA V4	model, session, dlv, exp	V4.2.5
CATIA V5	CATProduct, CATPart	V5-6R2014 - V5-6R2016
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 – 10.0
NX (Siemens PLM Solutions)	prt	NX 9 - NX 11
Parasolid	x_t, x_b	Up to V28.1
PRC	prc	All versions
PTC Creo Parametric (formerly Pro/ENGINEER)	asm, neu, prt, xas, xpr	2.0 - 4.0
Solid Edge	asm, par, pwd, psm	ST8, ST9
SolidWorks	sldasm, sldprt	2015 - 2017
STEP	stp, step	AP 203 E1/E2, AP 214, AP 242