

3DViewStation产品系列支持的格式

Information as per August 11th, 2021, valid for the latest build, subject to change without notice at any time

Import 3D

| | | | Desktop | WebView |
|----------------------------|------------------------------------|--------------------------------|------------------|------------------|
| Supported 3D File Formats | File Extension | Format Version | 3D all importers | 3D all importers |
| 3D-PDF | PDF | PRC, U3D | ● | ● |
| 3DViewStation | 3DVS, VSXML | | ● | ● |
| 3D Manufacturing Format | 3MF | 1.2.3 | ● | ● |
| ACIS | SAT, SAB | Up to 2020 | ● | ● |
| Autodesk 3DS | 3DS | | ● | ● |
| Autodesk Design Web Format | DWF, DWFX | | ● | ● |
| Autodesk Inventor | IPT, IAM | Up to 2022 | ● | ● |
| CATIA V4 | MODEL, DLV, EXP, SESSION | Up to V4.2.5 | ● | ● |
| CATIA V5 | CATPRODUCT, CATPART, CATShape, CGR | Up to V5-6 R2021 (R31) | ● | ● |
| CATIA V6 / 3DExperience | 3DXML | Up to V5-6 R2019 (R29) | ● | ● |
| COLLADA | DAE | | ● | ● |
| CPIXML | CPIXML | | ● | ● |
| Creo (Pro/E) | PRT, XPR, ASM, XAS, NEU | Pro/Engineer 19.0 to Creo 8.0 | ● | ● |
| Filmbox | FBX | ASCII: all ; Binary: all | ● | ● |
| GL Transmission Format | GLTF, GLB | Version 2.0 only | ● | ● |
| I-deas | MF1, ARC, UNV, PKG | Up to 13.x (NX 5), NX I-deas 6 | ● | ● |

| | | | Desktop | WebView |
|--|--------------------|------------------------------|------------------|------------------|
| Supported 3D File Formats | File Extension | Format Version | 3D all importers | 3D all importers |
| IGES | IGS, IGES | 5.1, 5.2, 5.3 | ● | ● |
| Industry Foundation Classes | IFC | IFC 2x2, 2x3, 2x4 | ● | ● |
| JTOpen | JT | Up to 10.5 | ● | ● |
| LIDAR Point Cloud Data File ¹ | E57 | | ● | ● |
| MineCraft ² | NBT | | ● | ● |
| NX (Unigraphics) | PRT | UG v11.0 to v1980 | ● | ● |
| Parasolid | X_T, X_B | Up to v33.1 | ● | ● |
| PLMXML | PLMXML | | ● | ● |
| PRC | PRC | | ● | ● |
| Autodesk Revit | RVT, RFA | 2015 to 2021 | ● | ● |
| Rhino3D | 3DM | 4 - 7 | ● | ● |
| Solid Edge | ASM, PAR, PWD, PSM | V19 - 20, ST - ST10, 2021 | ● | ● |
| SolidWorks | SLDASM, SLDPRT | From 97 up to 2021 | ● | ● |
| STEP Exchange | STP, STEP, STPZ | AP 203 E1/E2, AP 214, AP 242 | ● | ● |
| STEP/XML | STPX, STPXZ | | ● | ● |
| Stereo Lithography | STL | | ● | ● |
| Universal 3D | U3D | ECMA-363 (1-3. edition) | ● | ● |
| VDA-FS | VDA | V1.0, V2.0 | ● | ● |
| VRML | WRL, VRML | V1.0, V2.0 | ● | ● |
| Wavefront OBJ | OBJ | | ● | ● |

¹ Provided on "As is" basis: KISTERS will neither support nor maintain these importers/exporters. Might be dropped at

any time without notice. Includes also i.e. CADDs, Calcomp, KMZ, Lattice XLV, Photoshop (Preview), OneSpace Designer (M16, 2008).

² Only NBT files, which were created with 3DViewStation

Import 2D

| Supported 2D File Formats | File Extension | Format Version | Desktop | | | WebView | |
|----------------------------------|-----------------|------------------------|----------|-------------|------------------|-------------|------------------|
| | | | 2D basic | 2D advanced | 3D all importers | 2D advanced | 3D all importers |
| 2D-PDF | PDF | | ● | | ● | | ● |
| Autodesk Design Web Format | DWF | | ● | | ● | | ● |
| Autodesk Drawing | DWG | Up to AC1027 | ● | | ● | | ● |
| Autodesk Drawing Exchange Format | DXF | | ● | | ● | | ● |
| CALS | MIL | | ● | | ● | | ● |
| Catia V4 Drawing | MODEL, DLV, EXP | 4.15 to 4.24 | | ● | | ● | |
| Catia V5 Drawing | CATDrawing | R10 to R31 (V5-6R2021) | | ● | | ● | |
| Catia V6 Drawing | 3DXML | R2010x to R2021x | | ● | | ● | |
| Computer Graphics Metafile | CGM | | ● | | ● | | ● |
| Creo / ProE Drawing | DRW | ProE 2000i to Creo 8.0 | | ● | | ● | |
| Gerber | GER | | ● | | ● | | ● |
| Graphics Interchange Format | GIF | | ● | | ● | | ● |
| HPGL | PLT | | ● | | ● | | ● |
| HPGL/2 | PLT | | ● | | ● | | ● |
| JPEG | JPEG, JPG | | ● | | ● | | ● |
| JPEG2000 | JP2 | | ● | | ● | | ● |
| Microsoft Excel | XLS, XLSX | | ● | | ● | | ● |

| | | | Desktop | | | WebViewer | |
|---------------------------|--------------------|---------------------------------|----------|-------------|------------------|-------------|------------------|
| Supported 2D File Formats | File Extension | Format Version | 2D basic | 2D advanced | 3D all importers | 2D advanced | 3D all importers |
| Microsoft Powerpoint | PPT, PPTX | | ● | | ● | | ● |
| Microsoft Word | DOC, DOCX | | ● | | ● | | ● |
| NX Drawing | PRT | NX to NX 1872 Series until 1973 | | ● | | ● | |
| Open Office | ODG, ODP, ODS, ODT | | ● | | ● | | ● |
| Portable Network Graphics | PNG | | ● | | ● | | ● |
| SolidEdge Drawings | DFT | ST1 to 2021 | | ● | | ● | |
| Solidworks Drawing | SLDDRW | 2004 to 2021 | | ● | | ● | |
| Scalable Vector Graphics | SVG | | ● | | ● | | ● |
| Tagged Image File Format | TIF, TIFF | | ● | | ● | | ● |
| Windows Bitmap | BMP | | ● | | ● | | ● |
| WebP | WEBP | | ● | | ● | | ● |

Export 3D

| | | | Desktop | | WebViewer | |
|---------------------------|----------------|----------------|------------------|-----------|------------------|-----------|
| Supported 3D File Formats | File Extension | Format Version | 3D all importers | 3D export | 3D all importers | 3D export |
| 3D-PDF | PDF | PRC | | ● | | ● |
| 3D Manufacturing Format | 3MF | 1.2.3 | | ● | | ● |
| 3DViewStation | 3DVS, VSXML | | ● | ● | ● | ● |
| ACIS | SAT, SAB | 5.0 | | ● | | ● |

| Supported 3D File Formats | File Extension | Format Version | Desktop | | WebViewer | |
|--|----------------|---------------------------------|------------------|-----------|------------------|-----------|
| | | | 3D all importers | 3D export | 3D all importers | 3D export |
| Filmbox | FBX | Binary 7.5 | | ● | | ● |
| GL Transmission Format | GLTF, GLB | Version 2.0 | | ● | | ● |
| Industry Foundation Classes ¹ | IFC | | | ● | | ● |
| IGES | IGS, IGES | 5.1 | | ● | | ● |
| JTOpen | JT | 8.1, 9.5, 10.0 | | ● | | ● |
| MineCraft ¹ | NBT | | ● | ● | ● | ● |
| Parasolid | X_T | 12.1 | | ● | | ● |
| PRC | PRC | | | ● | | ● |
| STEP Exchange | STP, STEP | AP 203 E2, AP 214 E1, AP 242 E1 | | ● | | ● |
| Stereo Lithography | STL | | | ● | | ● |
| Universal 3D | U3D | ECMA-363 (1st and 3rd editions) | | | | |
| VRML | WRL, VRML | V2.0 | | ● | | ● |
| Wavefront OBJ | OBJ | | | ● | | ● |

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Export 2D

| Supported 2D File Formats | File Extension | Desktop | | | WebViewer | |
|---------------------------|----------------|----------|-------------|------------------|-------------|------------------|
| | | 2D basic | 2D advanced | 3D all importers | 2D advanced | 3D all importers |
| 2D-PDF | PDF | ● | ● | ● | ● | ● |

| | | Desktop | | | WebViewer | |
|---|----------------|----------|-------------|------------------|-------------|------------------|
| Supported 2D File Formats | File Extension | 2D basic | 2D advanced | 3D all importers | 2D advanced | 3D all importers |
| 3DViewStation | 3DVS | ● | ● | ● | ● | ● |
| Autodesk Drawing Exchange Format ³ | DXF | ● | ● | ● | ● | ● |
| Computer Graphics Metafile ³ | CGM | ● | ● | ● | ● | ● |
| JPEG | JPG | ● | ● | ● | ● | ● |
| Portable Network Graphics | PNG | ● | ● | ● | ● | ● |
| Scalable Vector Graphics ³ | SVG | ● | ● | ● | ● | ● |
| Windows Bitmap | BMP | ● | ● | ● | ● | ● |

³ Only supported for 3D models.

The Formats List requires a minimum resolution of 800 pixels in width for correct display. It is therefore only available as [PDF file](#). Alternatively, open this page on a device with a higher resolution.

Export 3D

| | | | Desktop | | WebViewer | |
|---------------------------|----------------|----------------|------------------|-----------|------------------|-----------|
| Supported 3D File Formats | File Extension | Format Version | 3D all importers | 3D export | 3D all importers | 3D export |
| 3D-PDF | PDF | PRC | | ● | | ● |
| 3D Manufacturing Format | 3MF | 1.2.3 | | ● | | ● |
| 3DViewStation | 3DVS, VSXML | | ● | ● | ● | ● |
| ACIS | SAT, SAB | 5.0 | | ● | | ● |
| Filmbox | FBX | Binary 7.5 | | ● | | ● |