

# VR4CAD

## Frequently Asked Questions

Question	Answer
What does VR4CAD do?	VR4CAD is entry level VR software designed to make it quick and easy for CAD engineers and designers to view, investigate and annotate their CAD models in VR. Using a VR headset or other VR device you can explore your models and review iterations in a truly immersive virtual environment. This enables you to make the right design decisions in a highly efficient and effective manner.
What hardware do I need to use VR4CAD?	All you're going to need is a supported VR device and a suitable PC workstation.
What VR devices can I use with VR4CAD?	VR4CAD is designed to work with leading PC-based VR headsets, such as the HTC Vive™ and Oculus Rift™. In addition, it also supports the zSpace™ immersive desktop display and any suitable 3D-capable monitors/TVs.
What firmware version or drivers are supported for each VR device and how are they updated?	VR4CAD supports the following; <ul style="list-style-type: none"><li>• Oculus software version 1.3 and above</li><li>• Vive software version 1.0 and above</li><li>• ZSpace, software version 3.1 and above</li></ul> When a new version is released, an update for VR4CAD will be made available as part of your software maintenance.
Will VR4CAD support new VR devices?	As the number of PC-based VR devices grows, we will look to support the popular ones via updates to VR4CAD.
Can I change my VR headset?	Yes, VR4CAD lets you select your VR headset or hardware in the software, allowing you to use both a 3D screen and a VR headset, or you can swap between types of VR headset, as long as they are supported by VR4CAD.
Can I use VR4CAD in my VR CAVE or Virtualis <a href="#">ActiveCube</a> / <a href="#">ActiveWall</a> ?	VR4CAD is designed as the companion product to a 3D CAD seat, therefore supports desktop VR devices such as PC-based VR headsets, 3D displays and the zSpace desktop display. In order to use a high-end viewing setup such as a VR CAVE or Virtualis <a href="#">ActiveCube</a> / <a href="#">ActiveWall</a> for full collaborative use, you would need to upgrade to <a href="#">Visionary Render</a> .
What specification of PC do I need?	Typically, one of the workstations that is used to run your 3D CAD software should be suitable to support VR4CAD. Ideally it should have at least 8GB Ram, 1GB Disk space and 4 processor cores, such as the Intel Xeon / Core i5 / or Core i7. For driving your VR headset, you're going to need a NVIDIA QUADRO card, either the M or K series with minimum 1GB graphics memory.
Can I run VR4CAD on a high-spec laptop?	Yes, as long as it meets the minimum specification, we would recommend a <a href="#">Lenovo</a> ThinkPad P70 with M4000M NVIDIA graphics card and at least 8GB Memory

<p>I've not used VR software before - how easy is it to get up and running with VR4CAD?</p>	<p>VR4CAD is designed with ease of use in mind. Programming skills are not required and it is based on a simple Plug-and-Play approach. Our aim is for you to connect with your VR world in 3 easy steps:</p> <ol style="list-style-type: none"> <li>1) Connect and configure your VR device to your PC</li> <li>2) Run VR4CAD and read in your 3D CAD file</li> <li>3) Select your VR device inside VR4CAD and then you are ready to start interacting with your data in an immersive 3D environment like never before!</li> </ol>
<p>How do I get started?</p>	<p>VR4CAD is designed to be easy to use. There is a Getting Started video on the website to show you the basic steps. We have also provided information on importing 3D CAD files and how to use the lighting and sectioning tools.</p>
<p>Does VR4CAD have lots of modules?</p>	<p>We have kept VR4CAD simple to use and there are no add-on modules - everything comes as standard. VR4CAD has been designed to give you an easy out-of-the-box experience. Having a simplified approach to licencing the software was one of our core goals in developing the product.</p>
<p>What data formats does VR4CAD support?</p>	<p>We support all the major 3D CAD data formats, including:</p> <ul style="list-style-type: none"> <li>● CreoView</li> <li>● Solidworks</li> <li>● Autodesk Inventor</li> <li>● FBX</li> <li>● Collada</li> <li>● Unigraphics NX</li> <li>● CATIA V5</li> <li>● Open JT</li> <li>● STEP</li> </ul> <p>Each license of VR4CAD comes with one of the format importers integral to the license. When you purchase VR4CAD, you get to choose the file format you want to use. The specific version for that file format will be sent to you as a link to download.</p>
<p>Can I import CAD data in its native format?</p>	<p>Yes, VR4CAD automatically imports your native CAD data seamlessly.</p>
<p>Can VR4CAD load the original CAD structure?</p>	<p>Yes, the entire hierarchy is imported with the model and its structure and naming conventions remain unchanged. It even imports any metadata present in the original file.</p>
<p>Can I import data from multiple source types at the same time?</p>	<p>VR4CAD is designed as a companion seat for a 3D CAD system, used by engineers and designers as an easy to use tool. Therefore, each license of VR4CAD contains only one of the 3D CAD file importers. Upgrading to <a href="#">Visionary Render</a> gives you the ability to import multiple CAD file formats in a single virtual environment.</p>
<p>How up to date is the version of the 3D CAD importer I will be using?</p>	<p>Within 100 days of a new version of the supported CAD system becoming commercially available, we should have an update to support it. You will receive this update as part of your software maintenance package.</p>
<p>What software licence options are there?</p>	<p>VR4CAD uses an annual subscription licence which also covers all software maintenance releases within the 12 months</p>

Can I upgrade to <a href="#">Visionary Render</a> after purchasing VR4CAD?	Yes, you will get a discount on the full sales price of VR4CAD if you wish to upgrade to <a href="#">Visionary Render</a> within 12 months of purchase and provided it is for the same workstation.
Does VR4CAD support features from <a href="#">Visionary Render</a> such as snapshots, adding viewpoints or allowing me to add annotations?	Yes, all of these features are included.
Does VR4CAD give me sectioning tools?	Yes, you can use the sectioning planes to cut through and see inside complex models.
Can I change the colour of material of my model once I have it loaded in VR4CAD?	Yes, VR4CAD comes with a default materials library that you can apply to objects in the scene. You can also do basic editing of those materials, such as adjusting the base colour.
Can I save changes to the CAD data that I made during my design review?	No, this is not a feature that VR4CAD supports. You can record viewpoints and annotations in a Scene Overlay file, for example, but you cannot save changes made to the VR model. For this feature, you would need to upgrade to <a href="#">Visionary Render</a> . The Scene Overlay file can be applied when data is imported on subsequent occasions.
What about if I wanted to conduct design reviews with other parts of our business?	VR4CAD is designed as a platform to enable you to efficiently and effectively review design data at your personal workspace. We appreciate the power of being able to conduct collaborative design reviews with colleagues and stakeholders, not just locally in the same building or site, but across the world. That's why we have built collaboration features into our <a href="#">Visionary Render</a> product.
Can I use VR4CAD with 3dsmax™?	Yes, you can export from 3dsmax using the .fbx 3D format, which can be read by VR4CAD.
Will VR4CAD import an IGES file?	There are no plans to support generic formats, such as IGES, as they are focussed on 3D and not tuned for VR.
How do I get support?	VR4CAD is designed as an easy-to-use product, with support provided by online videos, tutorials and the support forum. In the forum, specific questions can be posted if you have a current maintenance agreement.
Do I need a login to access the online support forum?	Yes, a login ID and password will be generated for you after purchase, and renewed after maintenance renewal, that allows you to access the online support forum.