

Revu Tutorial: 3D Viewing

Revu supports viewing 3D content in a PDF. Once you open a PDF file with 3D content, a floating toolbar, called the 3D Hover Bar, will appear in the upper left-hand corner of the workspace. This toolbar lets you customize your interaction with the 3D model. There are also two other ways to access these features: the 3D Panel and by using mouse controls in the model window.

3D Hover Bar



This button contains a drop-down menu to enable your mouse to go into different viewing modes.

Rotate – Moves the camera around the model

Spin – Rotates the model around a specific point

Pan – Moves the model up/down and left/right

Zoom – Increases or decreases the size of the model

Camera – Rotates the viewpoint from the position of the camera, letting you look up, down, and around the model



If a 3D PDF already has defined views, each view name will be listed in the drop-down menu next to the home icon. Pressing the home icon at any point resets the model view to the default view.



This toggles the Animation Cycle. When the Play button is clicked, it switches to Pause .

There are two default settings for animation, Rotate and Cycle View. Access these options by clicking the arrow next to the Play button.

Rotate - Spins the model. Go to *Edit/Preferences/Rendering 3D* to control the spin rate and the direction of the rotation. The mouse navigation (zoom, pan) is still available to use as the model is spinning during the Rotate animation mode.

Cycle Views - Cycles between predefined Views. The transition time and length of time spent on a particular view are controlled in the *Edit/Preferences/Rendering 3D* menu.



Use this button to switch between the Perspective and Orthogonal views. The **Perspective view** makes objects closer to the camera appear larger than objects further away, similar to real-world viewing. The **Orthogonal view** keeps the relative size of the objects the same, regardless of the viewing distance.

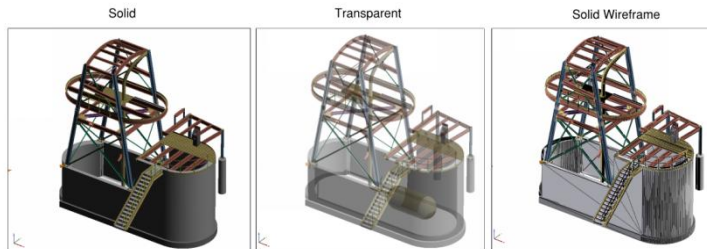


This button contains a drop-down menu to select the different Geometry Render Modes which control the visible display of the model elements. The three basic types of shading for the models are Solid, Transparent and Solid Wireframe.

Solid - Applies a material to each individual part so other 3D geometry behind the solid part is not visible.

Transparent - Sets the opacity of the elements in the model so items behind parts of the model may be viewed.

Solid Wireframe - Displays the triangular meshes which define the elements of the model being viewed.



For more information about all available Geometry Render Modes, please read the **3D Viewing Help Guide**.



This button lets you change the lighting. The options include White, Day, Bright, Primary Color, Night, Blue, Red, Cube, CAD Optimized, and Headlamp.



This button gives you different color options for changing the background color.

The 3D Panel

The 3D Panel (Alt + 3) is comprised of two sections, Views and 3D Model Tree.

The **Views** control panel can be used to manage the views present in the current 3D model. New views may be defined, edited or deleted via this panel.

Selecting a named view (Default, North Elevation, etc.) updates the display in the 3D Model Window. The camera position and 3D component visibility is controlled based on the definition of the view.

Clicking the Right and Left arrow icons move forward and backward through the view list. Home switches the 3D workspace to the Default View.

