

View Function Comparison

The Monolithic, Dynamic and Streaming 3D Viewers use the same technology— HOOPS Communicator. The main difference is how the 3d View is populated. However, there are also limitations associated with the available view functions that this section explains.

Product Manufacturing Information (PMI)

The product management information (PMI) is typically stored at the assembly level within CAD native files. When dynamically generating assemblies in the Dynamic Viewer or Streaming Viewer, only view files of parts are included. Therefore, only PMI stored with a native file and included with the converted data in a view file can be viewed in the 3D View. PMI is not guaranteed to be positioned such that it does not interfere with other rendered 3D component geometry.

Configurations

The Dynamic Viewer is only accessible for CAD assemblies. Like PMI, configuration data stored in an assembly view file is not accessible and likely not applicable when rendering an assembly based on some arbitrary query. Therefore, the Configurations interface is not included in the Dynamic Viewer.

The Streaming Viewer is accessible for both CAD assemblies and CAD Components.

