

Customization Options

The following table describes the command arguments. Any outputs not required by a given implementation can be removed from the command arguments.

Command-line Argument	Required	Description
-- sc_compute_bounding_boxes	Yes	Positions the camera in the Viewer and prioritizes the rendering order of an assembly. The bounding box information will be extracted from a native CAD file.
--input_pdf_template_file	No	Required only if generating viewable PDF files for an Item.
--output_pdf	No	Required only if generating viewable PDF files for an Item.
--output_png	Yes	Produces a thumbnail image for an Item.
--output_scs	Yes	Enables the Monolithic and Dynamic Viewers.
--output_xml_assemblytree	Yes	Maps 3D component geometry.
--output_prc	No	Required only if generating PRC files for an Item that may be used for industry standard archival purposes.
--background_color	Yes	Sets the background color for thumbnail images (png) and the 3D PDF. The default is black. However, a background color other than white may affect the display of the image in the Item Form.
--output_logfile	Yes	Sets a name of a log file where the HOOPS Converter will write error and warning messages.
--drawings_mode	No	Controls what to import from drawing files: 0: only 3D 1: only drawings 2: both 3D and drawings The default is 1.

Please see the included documentation for a complete description of available parameters and their functions in the [HOOPS Communicator Documentation 2026.2.0](#) .

