

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
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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_sc	Yes	Full path of SC Model to generate. Warning: This option will recursively delete all existing files in the target directory.
--sc_create_scz	Yes	If set, then generated SC models will be .scz files. Default: False
--sc_compress_scz	No	If set, then generated .scz files will be compressed. Default: True
--output_png	Yes	Produces a thumbnail image for an Item.
--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.

Please see the included documentation for a complete description of available parameters and their functions in the HOOPS Communicator Documentation 2025.4.0.

