PDG Support

TOP networks are used to schedule tasks - anywhere from running simulations to rendering. Read more about PDG here. RenderMan is now integrated into PDG with various nodes for rendering, converting textures, denoising, and generating RIB. Note that "Do Nothing" selections will use the RenderMan default unless Set otherwise by the user.

> ⚠ Currently there is bug where the output of RenderMan render TOPs is the rib file path even if one is not generated.

ROP Fetch

The simplest render node is the ROP Fetch. Set the ROP Path to a render node in the OUT context.

RenderMan Render

The RenderMan TOP has similar functionality to the ROP Fetch except that the ROP node is inside the network and all the RenderMan ROP options are exposed as parameters on the node.
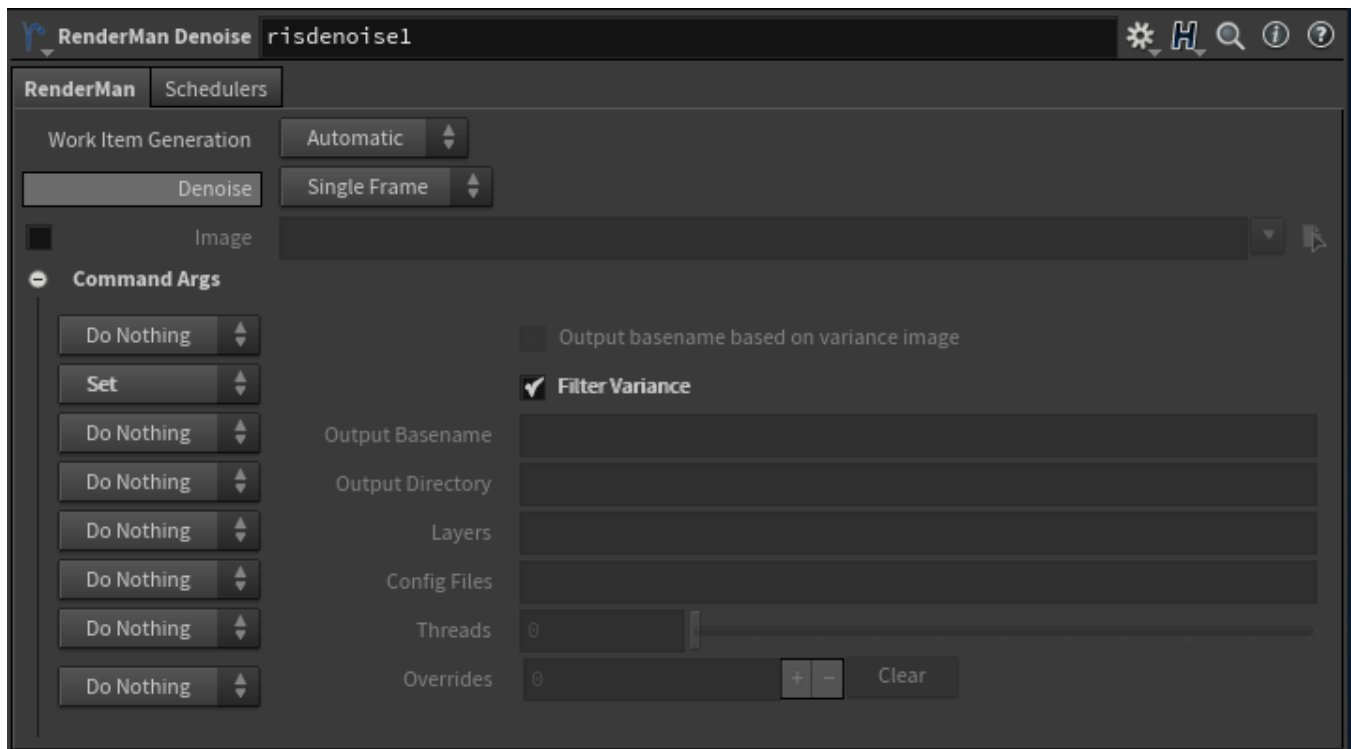
Generate RIB

This TOP node is a clone of the RenderMan Render TOP except with the "Write RIB" parameter enabled.

RenderMan Denoise

The output of the parent node will be denoised unless the Image parameter is set. This image needs the proper AOVs for denoising. See an explanation of these parameters here.
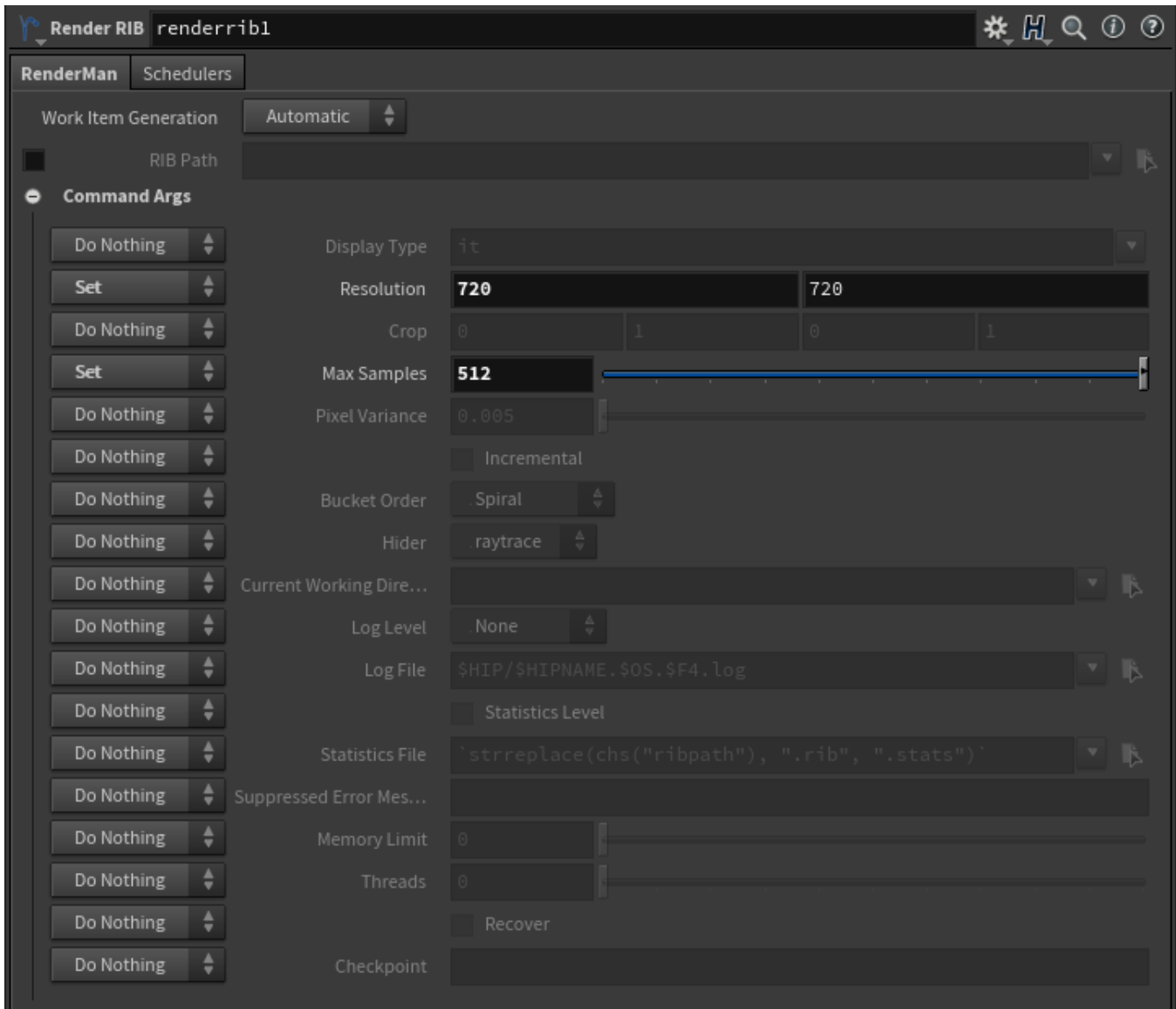
> ⚠ Crossframe denoising is not yet supported.

Render RIB

Wire in a generate rib node as input or provide a RIB path. This node is a wrapper of the prman executable with all the available command line arguments provided as parameters. See an explanation of these parameters here.

Texture Maker

This node will convert the input image or the image parameter if provided to a texture by calling txmake with the set parameters. See an explanation of these parameters here.

Texture Maker txmake1

RenderMan | Schedulers

Work Item Generation   Automatic

Image

● **Command Args**

Texture | Mipmapping | Environment Map | **Format** | Command Line

Set		Image Format	pixar
Set		Data Compression	lossless
Do Nothing		Data Compression Level	45
Do Nothing		Data Type	.byte
Do Nothing		Channel	0:2
Do Nothing		Display Window	