

# Denoiser Command Line

The denoiser can be run from the command line on frames that have already been rendered to disc in the condition that the required AOVs are correct  
usage:

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denoise_batch [-h] [-v] [-a ASYMMETRY] [-o OUTPUT] [-cf] [-f] [-j] files [files ...]
```

positional arguments:

files	<p>Input files for the denoiser. Files can be either specified via:</p> <ol style="list-style-type: none"><li>1) a list of files Ex: foo.0001.exr foo.0002.exr foo.0003.exr...</li><li>2) a simple glob Ex: foo.*.exr</li><li>3) a frame range Ex: foo.####.exr foo.diffuse.####.exr 1-50</li></ol> <p>Note, you can control which frames are actually denoised using the --frame-include or --frame-exclude arguments. This is useful in the case of crossframe denoising where you only want specific frames to be denoised, and not necessarily all input files.</p>

optional arguments:

-h,	-h,	show this help message and exit
-v,	--verbose	Verbose output for debugging.
	--include-aovs	Include AOVs in the output image for debugging
-a ASYMMETRY,	--asymmetry ASYMMETRY	controls the asymmetry value, 0 is the best quality, and higher values encourage the denoiser to avoid overblurring, leading to weaker denoising.
-o OUTPUT,	--output OUTPUT	The output directory for the denoised images. The JSON config file(s) will also be written to this directory.  If not specified, we write into a subdirectory called "denoised", from the image path.
-cf,	--crossframe	Do crossframe denoising
-f,	--flow	Whether to compute optical flow.
-j,	--json	If provided, use the first input file as the configuration JSON file. All other files and options are ignored.
	--frame-include FRAME_INCLUDE	Includes only the passed frame indices in the denoising job. Sequences can be specified as comma separated list of half-open ranges. <ul style="list-style-type: none"><li>• 0 refers to the first frame.</li><li>• 1-3 refers to frames with index 1 and 2.</li><li>• A missing start index in a range is considered 0, a missing end index is considered the sequence length.</li><li>• -3 refers to all frames up to but not including frame index 3.</li><li>• 3- refers to all frames starting with frame index 3.</li></ul>
	--frame-exclude FRAME_EXCLUDE	Excludes the passed frame indices from the denoising job. Sequences can be specified as comma separated list of half-open ranges, just like for the include list as seen above.

for example :  
\$RMANTREE/bin/denoise\_batch -o /path/to/directory/for/denoised/images imagename.\*.exr