

DVO
APERTURE
USER GUIDE

DVO APERTURE

serves as a frame-based spatial filter that enhances the perceived sharpness of images.

When working with film scans, there is a potential loss of high-frequency information during the scanning process. This loss can occur because of the characteristics of the film scanner, where the frequency response diminishes as the wavelength of the detail being captured approaches the dimensions of the scanning aperture. In such cases, issues requiring aperture correction arise.

The aperture processor within the DVO Aperture tool addresses this problem by boosting the response to high-frequency content in the image signal. By doing so, it adds a subjective sense of sharpness to the picture, compensating for the loss of detail caused by the scanning aperture's limitations.

The overall goal of the DVO Aperture tool is to improve the visual quality of film scans by enhancing the sharpness of the images. It achieves this by selectively amplifying high-frequency details, thereby making the pictures appear crisper and more defined. This tool is commonly employed in the post-production workflow to refine the quality of scanned film footage and ensure optimal visual results. It should be used as the last effect in the chain.



PARAMETERS

HORIZONTAL / VERTICAL

We have separate controls for horizontal and vertical aperture correction. Values go from 0 to 100% in increments of 10%.

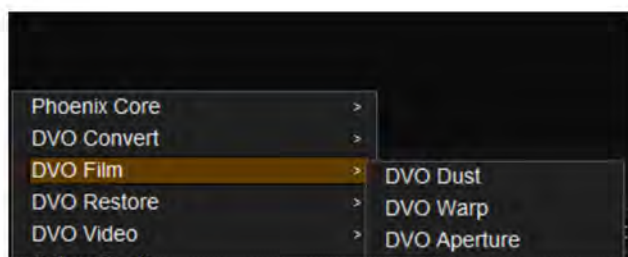
Values: 0% – 100%

Default: 0%

COLOR

Select the data format of the image; video cameras typically use a Linear data format. If the Data setting is incorrect, the result can be affected.

Values: Linear, Log (default follows the project setting)



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