Filmworkz®

Create Incredible

DVO
CHROMA
OFX USER GUIDE

OFX

WHAT DOES IT DO?

DVO Chroma is designed to enhance and resolve various chroma (color) anomalies found in source material. Some of the issues it addresses include:

o   Chroma bleeding in video material: This refers to the unwanted spreading or bleeding of colors in video content, resulting in distorted or smudged color boundaries.

o   Chromatic aberration and similar camera lens issues: These are optical defects that occur when different colors do not focus at the same point, causing color fringing or blurring along edges in the image.

o   Color artifacts due to bayering defects: Bayering is a process used in digital image sensors, and defects in this process can lead to color artifacts or inaccuracies in the captured image.

DVO Chroma provides solutions to these anomalies, aiming to improve the overall quality and accuracy of color representation in the source material.

HOW DO YOU USE IT?

DVO Chroma is part of the Filmworkz OFX DVO Essentials plugin pack, which runs on **Resolve**, **Mistika** and **Scratch** for Windows, Mac and CentOS.

*DVO Chroma is also available in the following **Filmworkz platforms**:*
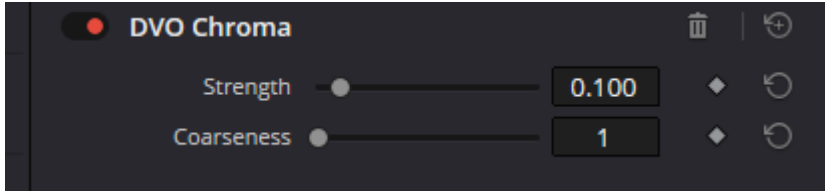

GETTING STARTED

Just locate & enable the DVO OFX tools in your chosen platform; for ease, we're showing the screenshots from Resolve in this User Guide so consult your manuals for any alternative system you're using.

1.   Launch Resolve on your workstation.

2.   Open your project; to select the DVO effect, click on the Effects tab on the upper left side of the interface. On the Open FX section, open the Filters section and click on DVO.

3.   To apply the effect, you can either double click or drag and drop on the selected clip(s) when using the Timeline tab. If you're in the Color page, select the effect using the Effects tab on the top left side of the interface and drag and drop on an existing node.

4.   Click on the Effects section (or click on the grading node) and the control panel overleaf appears.

CONTROL PANEL EXPLAINED

PARAMETERS

STRENGTH

To control the level of processing performed by DVO Chroma, you can adjust the strength setting. Even with a strength setting of 0, the tool will still apply some processing, albeit at a minimal level.

When dealing with debayering artifacts, it's recommended to try a very low setting, such as 0.0 or 0.01. This allows for subtle processing to address the artifacts without introducing excessive alterations to the image. Experimenting with different strength settings can help find the optimal balance between artifact removal and preserving the natural appearance of the footage.

Values: 0 – 1

Default: 0.1 00

COARSENESS

The parameter **Coarseness** in DVO Chroma determines the size of the filter used for processing. It's important to exercise caution when adjusting this parameter and use it primarily for addressing significant chroma defects that are relatively large.

Applying a larger filter size through the "Coarseness" parameter can be effective in tackling prominent chroma anomalies. However, it is recommended to avoid excessive adjustments that might overreach and impact smaller details or introduce unintended artifacts.

Values: 1 – 3

Default: 1

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