DigitalVision

Loki
Automation for image
processing

Features & Benefits
Version 2014.2 R1

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New Hardware Support
Thor

2014.2 is the first release of Nucoda, Phoenix and Loki to include support for Thor.

This will be Thor 1.0 release and will contain **Thor Clarity. It** will be accessible from within Nucoda, Phoenix and Loki. The 1.0 version of **Thor Clarity** will have spatial based noise and grain reduction with clip based analysis.
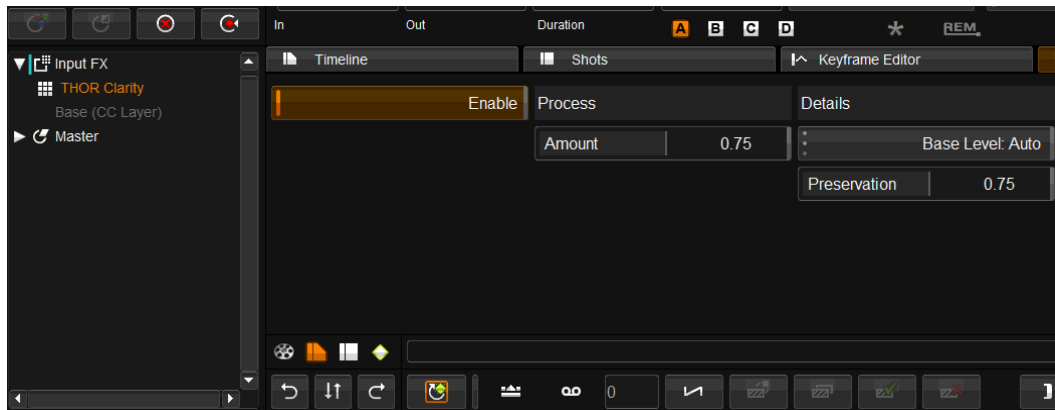
Tools
DVO Tools

Changes:
DVO Alias is now part of the DVO Video tools
DVO Brickwall is now part of DVO Video tools

DVO Regrain RGB

	Size	Sharpness	Uniform (Amount)	Amount Uniform/Low	Amount High	Mid Shift (Low<->High)
Red	1.60	0.50	Uniform	1.000	1.000	0
Green	1.60	0.50	Uniform	1.000	1.000	0
Blue	1.60	0.50	Uniform	1.000	1.000	0

(Enable | Overall Amount 1.000 | Colour: RGB | Saturation 1.00)

A new RGB regrain tool has been added which will complement the original DVO Regrain. The new DVO Regrain RGB will not be in DVO Classic

Within the tool adjustments for grain can now be made for each separate channel, this includes the size of the grain, the grain sharpness and colour mode.

DVO Clarity
New features include an auto mode to detect Colour or B/W material. If the material is B/W processing will now be faster than for colour material.

There is a mode to convert Colour to B/W
Using Clarity in a ACES or Float project will now pass through values without clipping.
Using Clarity with LOG images will produce improved results.

DVO Alias and DVO Brickwall
These tools have been enhanced by adding an option to process interlaced material.

DVO Flicker
DVO Flicker has been considerably enhanced.

Modes now exist for Luma, BW and RGB flicker correction
The temporal window choices have been expanded and an option to remove localised flicker has been added.

The splice option allows the user to automatically balance material exhibiting flicker around splices, the user can also specify a selected frame to use as a sample

| | | | | | | |
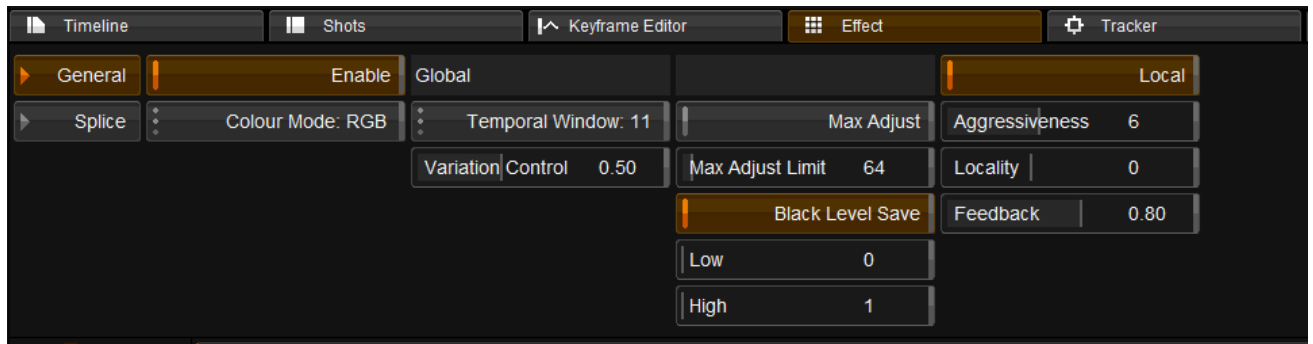
DVO Twister

DVO Twister has small changes to the UI and a new option for selecting the fallback mode in cases where motion estimation might fail to properly calculate the results.

There is also a setting for motion range (previously called spike)

To use Twister as a normal retime function with motion compensation, set the output rate to 100 and the input rate to the rate you want for the material, eg 50 would (in this case the rate is a %.
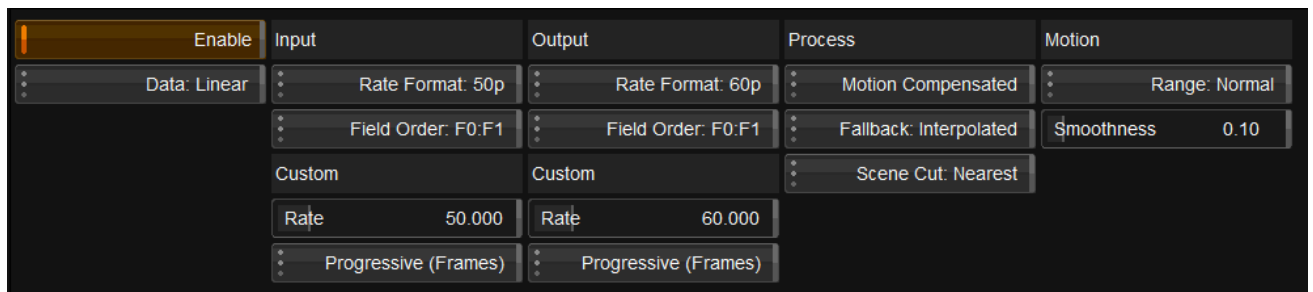

Camera Formats

Arri RAW debayer updated

Arri RAW debayer has been updated to Arri Raw_SDK_4.6.0b3_x64

Please note that in keeping with Arri specifications, certain options are only available with certain files. Therefore you will only have access to settings appropriate to the file you have imported.

Support for new debayering mode ADA-5 SW, including API for fine-tuning ADA-5 SW-specific algorithm parameters. This debayering mode eliminates the issue of overshooting at image edges mentioned in the ARRIRAW SDK 4.5 release notes under 'Known Bugs & Limitations' and the use of ADA-5 is strongly recommended for process photography, especially blue screen or red screen photography.
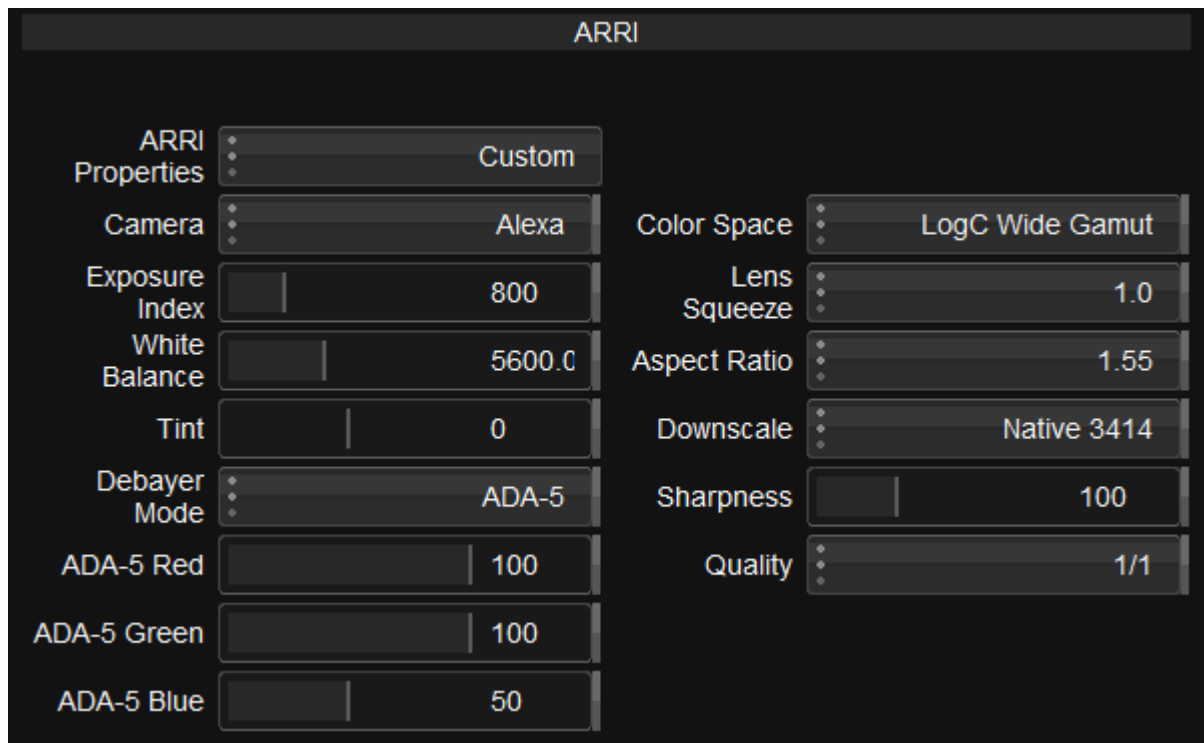
Support for 4:3 cropped (ALEXA software version SUP 10.0) image format: 2:1 anamorphic de-squeeze from full-height 2578 x 2160 4:3 capture to HD, 2K, Quad HD and 4K resolutions. Support for image rotation, assisting the use of UWZ lenses or upside-down mounted cameras. Various bug fixes, especially in format handling

QuickTime v7.7.6

QuickTime v7.7.6 is now supported and included in the installer. Users are recommended to upgrade to this version of QuickTime.

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