



For the love of film restoration

DRS™ NOVA v5.5

DRS™ Nova has been used by the world's leading restoration artists for more than 30 years to restore thousands of films to pristine condition.

The DRS™ Nova Toolset includes:

Camera Motion

Analyzes camera motion for each shot and creates "motion segments", which can consist of Static, Low, and High motions. The artist can assign different values to each motion segment in tools that support the analysis.

Deflicker and Mistime

Using Global or Zonal user-defined regions, eliminate density flicker and color fading due to film emulsion aging. The Mistime tool repairs gradient artifacts at the top of the incoming frame and the bottom of the outgoing frame that occur due to laboratory printer light lag.

Stabilization

Repair jitter, gate weave, splice bumps and other stabilization issues with manual or automated tools. The Auto-Stabilize tool can use the camera motion analysis to determine which motion segments will be processed.

Dewarp

Fix geometric distortions caused by film shrinkage and aging using three or more tracking points. For shots with less than three tracking points, the tool provides for the use of "phantom points" that can be anchored to the existing good ones.

Debris Filters – Shine and AutoFilter

Shine and AutoFilter automatically detect and repair dust and defects across a range of frames with controls for minimum and maximum size. Shine is the most powerful automated tool in the industry with superior technology for dirt and fleeting scratch replacements for scans with an IR channel.

3 Layer Registration

Fix misaligned 3-Strip films recorded to a single film element. The tool can reposition the red and blue channels on their X and Y axes to register against the green control channel or, optionally, warp the channels.

DRS™

Use the DRS™ tool to manually eliminate dust, static dirt, debris, scratches, tears, and replace missing frames.

Scratch

Repair fleeting or persistent scratches with superior results.

Paint

Paint or clone from the same or another clip, restore original pixel values, track objects, and more.

Gate Hair Fix – NEW!

Track and fix gate hairs using sophisticated inpainting and temporal algorithms.

Grain and Aperture

Reduce grain of all or discrete color channels and apply aperture correction to sharpen the image.

Create custom grain patterns that can be applied globally in the tool or used in the Paint and DRS™ tools to enhance fixes.

NEW FEATURES:

- Updated UI for tool consistency
- Sync Masks to tracked objects
- Quad Split – QC of clips with user defined ROI
- Virtual timecodes at any speed



Learn what DRS™ Nova can do to improve your digital film restoration.

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DRS™ Nova applications run on Windows 10 and Windows 11. Hardware not included.