

# #IAMPHOENIX RESTORATION





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## THE PHOENIX SUITE OF PRODUCTS

Offers world class restoration tools for the most demanding jobs. Featuring our multiple award winning DVO technology. Phoenix is designed to produce great results fast with less manual intervention. With a familiar timeline based interface, the artist and archivist can easily review and touch things up in context if required.

Each product has been designed around a feature set for specific jobs and budgets



# THE PHOENIX CORE FEATURES

## COMPREHENSIVE COMPARISON TOOLS

Compare images and grades by Track, Playhead, Source or Event.

Modes include: Dual, Split, Checkerboard, Red Diff, Butterfly, Cut Mono, Mono\*10, Diff Multiply

**EVENT VIEW** - Use the event view to navigate, compare and recall easily from any other timeline event. Open different compositions for recall or comparisons from other compositions. Recall entire grades or single tools.

**CONFIGURABLE MASTER RESET** - Configurable Master reset means users can choose what effect to ignore during resets.

## EASY SAVE AND RECALL OF NOTES AND TOOLS

Save and recall effects using notes, from single tools and layers to complicated multi-layered effects. Create a library of notes and apply to any segment on any timeline in any project.

**EASY PROJECT CREATION** - Create multiple output formats for a single project. Easily create multiple deliverable versions in different resolutions.

## ACES 1.1 MANAGED COLOUR

**IMPORT AND CONFORM\*** - Easy conform using AAF, EDL and XML (Premiere) Support for animated resizes, opacity, dissolves, retimes from AAF and XML. Support for high performance Apple ProRes, Avid DNx, MXF, Camera RAW files.

**FLEXIBLE MULTI-LAYER TIMELINE** - Work with material in a familiar and flexible way, using multiple video and audio tracks. Easily move and trim shots, lock and solo tracks, track based compositing. Timeline and shot bookmarks allow for better organisation and retrieval of information. Automatic track naming for VFX intensive workflows.

## SOURCE EDITING - THREE POINT EDITOR

**USER DEFAULT FOR ALL TOOLS** - Save personal preference for effects and use as default.

**DVO IMAGE ENHANCEMENT\*** - Access to Digital Vision DVO tools for advanced image processing. Tools can be purchased individually or in predefined collections.

**ACCESS TO OFX PLUGIN EFFECTS** - OFX support including Sapphire and Re:Vision effects.

**GPU ACCELERATED COLOUR TOOLS\*** - All colour tools and Pan & Scan tools on are GPU accelerated for increased interactivity and performance.

**DOLBY VISION MASTERING** - Mastering and trimming of Dolby Vision content with Integrated Software Content Mapping and support for hardware Content Mapping Unit.

**LIBRARY** - Automatic folder creation on import. Material sorting. Find in timeline and Find in Library Standard project setup on per user basis.

**INTEROPERABILITY** - Interoperability with third-party systems supporting industry standard formats like Avid DNxHR, MXF and Apple ProRes - including metadata. Read and write Avid DNxHR, MXF and Apple ProRes. Avid Interplay.

**MULTIPLE, LAYER BASED COLOUR TOOLS\*** - Each colour layer contains multiple tools to manipulate the colour of your image. LGG, Balance, Brightness Regions, RGB Curves, Printer Lights, Hue Curves, Luma-Sat, Sat-Sat, Blur, Brightness Contrast, Colour Curves, Printer Lights, Channel Mixer.

## FULLY AUTOMATED BACKGROUND CACHING

Unobtrusive background rendering ensures you always have the best results available without interruption. User selectable GPU and layer cache to streamline operations and greatly enhance user interactivity. Compressed caches supported.

## MONITORING USING AJA KONA 4 OR DECKLINK

Resolutions up to 4K/UHD and high frame rates.

## INTEGRATED SCOPES AND MEASUREMENT

User configurable scopes and measurement tools. ROI Display. Waveform and PQ Nit displays. Custom labels.

## MULTIPLE MONITOR SUPPORT

Multi monitor support with different resolution configurations makes working on complex timelines a breeze.

**LAYER ROUTER** - Advanced layer routing functionality combined with isolation tools for every layer. RGB, alpha and luma mattes, shapes, keys, difference mattes, Transfer functions and transparency between every layer. Route any layer.

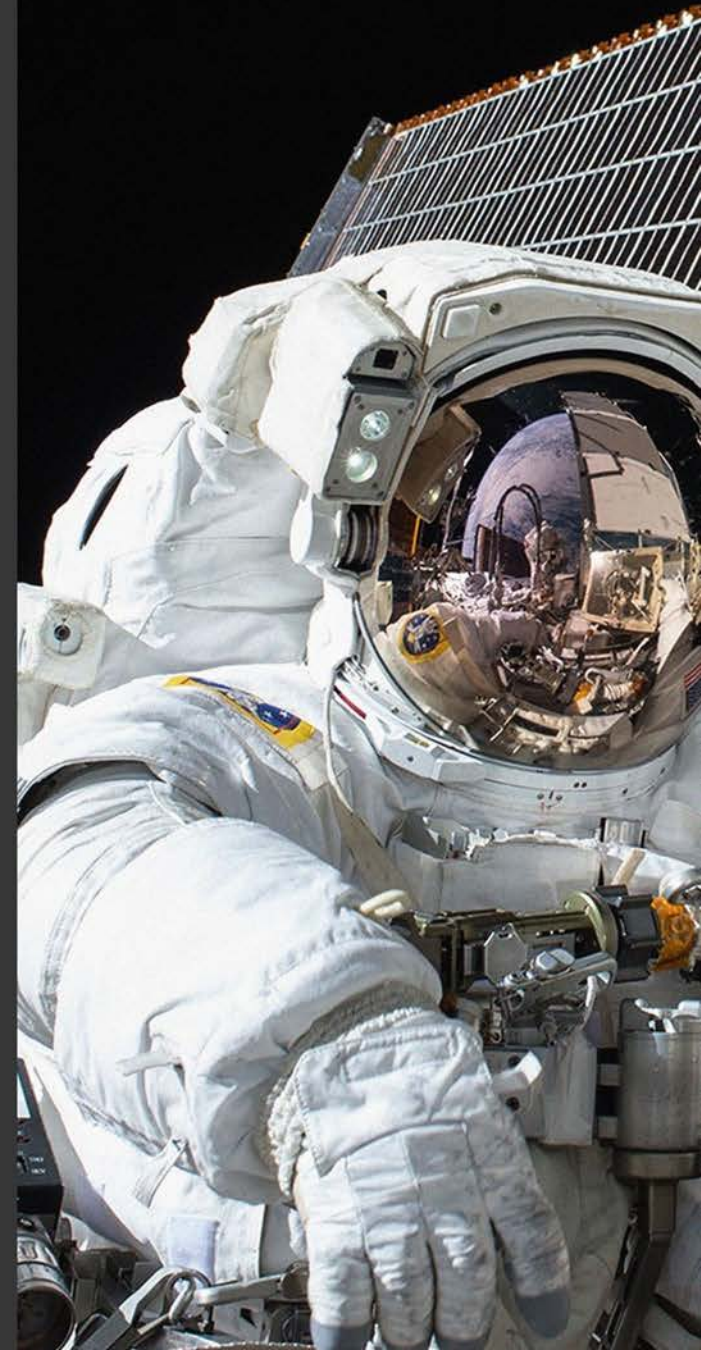
## PAINT & DIFFERENCE MATTE ON EVERY LAYER

Easily restore the source material or retouch, generate difference mattes for advanced regrade.

## ADVANCED REPORT GENERATION

Generate customised HTML restoration reports to help with billing and planning.

**RESTORATION REPORT** - Generate custom restoration reports as HTML. Includes Source Information, Tools used, amount of manual fixes.





# PHOENIX FINISH

The most comprehensive set of tools and the restoration product to beat. It brings all the power of both Phoenix Refine and Phoenix Video in a unique combination, allowing users to fully correct and deliver projects of mixed film and video media with related artefacts, within a single timeline.

- **A complete set of powerful colour tools accessible from dedicated colour layers**
- **Powerful format conversion tools, including DVO Upscale and DVO Zoom for optimised upscaling to larger formats and DVO Twister for sophisticated motion-compensated frame rate conversion.**
- **Optional camera RAW support.**
- **Compatibility with Precision, Tangent Element and Tangent Arc panels**

# PHOENIX REFINE

The best high-end restoration tool-set for repairing damage to film material. Combining the best in automatic, semi-automatic and manual restoration tools, Refine adds editorial and effects processing capability. The result is a single system that delivers for both mastering or archival and preservation.

# PHOENIX REFINE

End-to-end solution that includes Digital Vision's leading image manipulation DVO software tool set for highly automated restoration and enhancement of video content stored on various tape formats, such as 1", U-Matic and Betacam SP or later transferred to digital tape formats. The system handles common image defects such as drop-outs, severe noise, cross colour artifacting, line sync problems and more. Additional features include motion compensated frame rate conversion and high-quality upscaling as well as full support for common broadcast codecs.

# PHOENIX TOUCH

Cost effective image restoration software aimed at film based material and ideal for cleaning up VFX plates and DI scans. Phoenix Touch contains powerful automatic dust busting capability alongside a high quality manual repair tool-set that can quickly turn around intensive repair tasks. Phoenix Touch can also act as assist station to Phoenix Refine and Phoenix Finish. Phoenix Touch can be expanded by purchasing the Touch+ option, adding DVO Dry Clean and DVO RegrainRGB for next generation dust and fix. Any other DVO tools can also be licensed separately for Phoenix Touch



Digital Vision World  
26 Poplar Business Park  
10 Prestons Road  
E14 9RL  
London  
United Kingdom

For all sales enquiries:  
[sales@digitalvision.world](mailto:sales@digitalvision.world)

**+44 (0) 3330 148 148**

