

DigitalVision

GRADING | FINISHING | MASTERING | RESTORATION



AWARD-WINNING CREATIVE TOOLS AT YOUR FINGER TIPS

For more than 20 years Digital Vision has supplied the world's premier content creators with innovative creative tools and streamlined workflows, redefining image enhancement and mastering within film, television, commercials and new media. As formats and technologies constantly develop then so have our unique solutions, allowing our customers to stay ahead of the game.

Pushing the industry forward

As the industry has made the transition from analogue to digital, from video to data and from linear to non-linear, so have we.

In fact, we like to think we have played our part in pushing the industry forward by focusing on the most pressing issues facing the post production world and ensuring that our solutions are as flexible as possible, and can be integrated and deployed in any environment.

Award-winning technology

As the world's premier supplier of mastering technology, Digital Vision's success is based on close contact with our customers. These relationships have developed key products such as the DVNR, which have become industry standards and bywords for the image enhancement functions they perform.

The innovative technology behind these products has been recognised in a series of awards for engineering excellence and achievement from Primetime Emmys, to the Royal Television Society to the Hollywood Post Alliance Awards.

We also work with all the key solutions partners within our field including the latest digital camera formats from RED, Arri, Vision Research and Silicon Imaging, as well as leading editing and effects platforms such as Avid Technology and Apple.

New challenges, new opportunities

Digital convergence has presented many new challenges and an equal number of new opportunities for content creators and producers alike. With our 4th generation software framework, deployed in hundreds of facilities worldwide, we are well positioned to be your partner for the next 20 years.



Roush Media, Chimney Pot, Final Frame



Wallander

2K AND 4K DIGITAL INTERMEDIATE GRADING, FINISHING AND MASTERING

"At the Farm we've been dedicated Film Master users since 2006, and we have watched the solutions mature into positively incomparable products. *Wallander* is a shining example. Digital Vision's speedy release of the software that manages RED camera files, the powerful Nucoda tool set, and the right creative talent resulted in truly stunning and vivid images."

David Klafkowski

Technical Director, The Farm, London



Film Master provides the most sophisticated and complete toolset for high end creatives working on projects in any format and resolution. A comprehensive colour grading and finishing solution for feature films and commercials, Film Master will seamlessly integrate into your file based post environment and deliver industry leading colour and look enhancement capabilities and guaranteed best quality deliverables.

It offers end to end non-linear post production at resolutions of 4K and beyond with creative editorial, colour correction and visual look creation, as well as picture restoration and enhancement, to realise your creative vision.

Open and collaborative

Its open system facilitates efficient and flexible workflow throughout the production pipeline through any combination of local, network and

SAN storage models, allowing you to support multiple client jobs simultaneously.

Film Master offers the widest range of creative tools, built into the most flexible non-linear workflow for digital film or video post-production on the market. Supporting a wide range of formats natively such as DPX, QuickTime and MXF means Film Master can eliminate copying and transcoding completely.



CONFORMING AND COLOUR CORRECTION

Sharing the same flexible architecture and intuitive user interface as Film Master, Film Cutter makes an essential assist station for ingest, conform, primary colour grading, pan and scan, dailies and editorial work on feature films and commercials.

Film Cutter can also render all Film Master projects that include advanced features only available in Film Master.



File-based editorial

Whether you need to capture video or have the data files already on disk, conforming with Film Cutter and Data Conform is simple and fast.

Just load an EDL, cutlist or AAF file, locate the disk volume and let Film Cutter search and conform the files automatically onto our multi-track timeline complete with transitions and retimes - the perfect choice for post and VFX houses that do extensive pre-visualisation work.

Says Aardman technical director Tom Barnes: "We find the ability to project from Avid and conform rushes from an Avid EDL is a big advantage and it's great that we can mix 3k TIFF, 2k DPX, jpeg, QuickTime and MXF on the same timeline and instantly review with real-time scaling and colourspace conversion."

"10,000 Days offered a unique challenge for Roush Media to provide end to end workflow on a complex RED Camera project.

Utilizing Digital Vision's digital grading and conforming systems, Roush Media processed the RED R3D's for dailies and editorial. Once the editor was finished with the cut, Roush Media conformed the shots to be used for VFX from the RED camera files."

Roush Media, Los Angeles, USA



10,000 Days



My Boy Jack

FILE-BASED HD MASTERING AND GRADING FOR MXF AND QUICKTIME WORKFLOWS

“We don’t consider ourselves loyal to any manufacturer - we buy the best kit for the job. We’re driven by our operators, if they say ‘Get one of those’ we do. And in this instance the hugely beneficial Avid/Nucoda workflow is the cherry on the top of the cake.”

Jim Duggan
Managing Director
Screen Scene



Nucoda HD offers comprehensive file-based colour grading and finishing for broadcast, Blu-ray, broadband VOD, mobile and HD applications enabling users to grade and finish existing file-based media natively, without transcoding or tape transfer.

Nucoda HD supports broadcast formats and metadata exchange including MXF, Apple QuickTime and Avid DNxHD media and AAF multi-track programme timelines.

Complete image control

With access to the full colour correction toolset and modular control panel interface of the flagship Film Master system, Nucoda is a powerful sequence assembly tool in its own right. With multi-track non-linear editorial control, familiar to Avid and Apple editors, it offers the ability to import program edits intact from the offline and to easily incorporate

changes on demand, without re-grading.

Nucoda HD also efficiently handles longform programmes, with background processing eliminating render time whilst maintaining the creative freedom of non-linear workflow in record or source order.

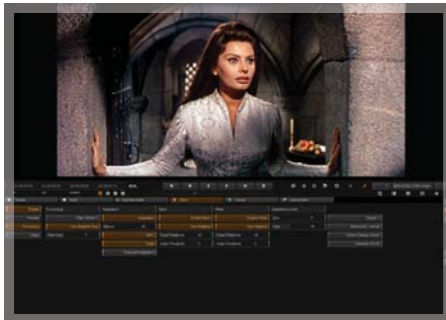
Users can easily return colour graded material to tape, maintaining original source timecode and with optional shot handles.



DIGITAL REMASTERING AND AUTOMATED RESTORATION FOR FILM AND TAPE BASED ARCHIVES

The perfect solution for digital restoration, re-mastering and repurposing, Phoenix is a tool focused on creating the highest quality deliverables from your archive.

It combines the best in automated and semi automated restoration with conform, editing, grading and versioning plus a set of options to enhance deliverables from H264 encoded QuickTime to Digital Cinema XYZ files.



Phoenix is focused on users who require the ultimate digital re-master of a classic, or who have many hours of content that needs a fast turn around.

Bringing film alive

Phoenix's picture correction brings back original detail, with enhanced colour grading, noise reduction and grain management. The toolset can clean the picture, remove dirt, dust, hair, scratches and colour defects as well as restoring original colour fidelity. It also provides picture enhancement, trims scene-to-scene colour differences and optimises for deliverable formats, sharpness and anti-aliasing. Says Ron Burdett at Laser Pacific, which used Phoenix on a 4K data workflow for DI Restoration on Steven Spielberg's *Minority Report*: "Digital Vision has been at the forefront of film restoration since its introduction of the legendary DVNR in 1988."

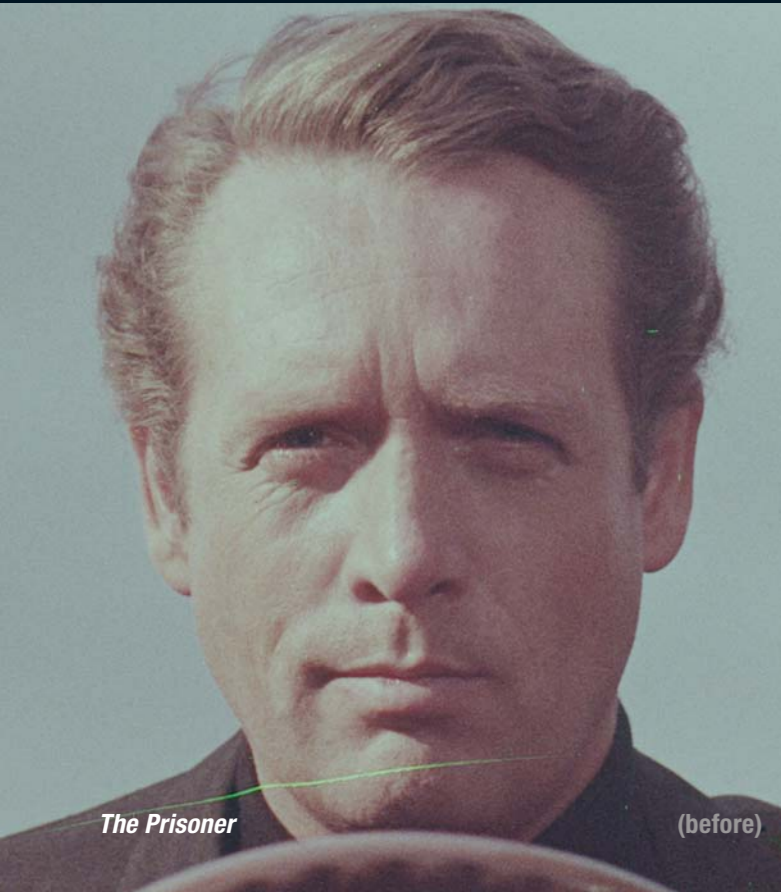
"Our customers, which include major studios like 20th Century Fox, continue to work with us because of our talent, technology, and the capabilities that are unique to HTV Illuminate. Digital Vision tools have enabled us to work wonders with grain, scratches, and colour. The toolset has been created to support a facility which must perform amazingly for its clients."

Jim Hardy, CEO

HTV Illuminate, Los Angeles, USA



Agony and Ecstasy



The Prisoner

(before)



(after)

PICTURE ENHANCEMENT OPTIONS FOR ALL DIGITAL VISION SOFTWARE

“DVO is a complete set of image processing options that enable us to enhance picture detail and automatically remove defects, whilst being totally integrated into the colour correction process. This is a unique approach, and one that no other vendor offers.”

Felipe Muraca
Post Production and DI Engineer
Telson



Award Winning

DVO is an award-winning image enhancement technology designed to give film and video professionals the ultimate flexibility and quality in image enhancement and mastering.

Powerfully improving the images you produce, sharpening them, removing dust and drop-outs, changing and controlling grain, DVO tools work at any resolution with film or video-originated material within any DI, post production or broadcast workflow.

The product of two decades of research at Digital Vision, DVO has become a label of confidence, signifying the ultimate flexibility, performance and quality in image enhancement and restoration.

DVO runs on general purpose computer platforms, and is able to take advantage of continuous improvements in performance. DVO options run on Film Master and Nucoda HD

platforms, offering collaborative workflow, enabling integration with any network solution and support for industry standard file formats.

Says Ascent Media technical manager Chris Watson: “From a single DVO workstation we are able to do automatic and manual dust-busting, vertical scratch removal, 3 cell alignment and stabilisation, grain management, detail enhancement and alias removal.”



ADDING PROCESSING POWER TO FILM MASTER WORKSTATIONS WITH TURBINE

As clients demand more complex processing at higher and higher resolutions, so today's workflows require higher bandwidth and more processing power.

Turbine places the immense power of processing grids into the hands of the creative colourist with its unique approach to distributed processing. It combines the reliability and scalability of a render grid with the performance

of a computer cluster. It adds processing power to Film Master workstations and can speed up render times by a factor of ten or more.

Driven from the Film Master timeline

Linked directly to the Film Master render manager, as effects and layers are build up by the colourist Turbine distributes the work across all available nodes.

Although typical configurations will be between four and sixteen nodes, Turbine is scalable allowing the investment in additional hardware to be timed to match the needs of particular projects.

“Turbine adds CPU power to the workstation and improves render times by more than tenfold. Like no other system, it can auto render in the background at a speed often much faster than real-time at full resolution 2k. We tested all the grading systems and the Film Master delivers without over complicating the creative process.”

Dennis Yeung,

Owner, Post Production Office



FAST AND FLEXIBLE HIGH QUALITY PICTURE ENHANCEMENT AND RESTORATION

“Restoration tasks used to tie up several systems, but with Phoenix you can conform, restore, enhance, version and create outputs in any format. The DVNR was able to perform noise reduction without loss of picture quality and exceeded our expectations on HD video and DCI mastering. After getting the DVNR our operators were on their first job within 24 hours.”

Ian Bidgood,

technical director, Park Road

PARK ROAD
POST PRODUCTION

DVNR is a comprehensive, real-time image processing workstation for telecine and linear applications, providing superior performance in picture enhancement and restoration.

Operating in SD, HD and DCI 2K with the flexibility to combine up to three processing modules in a single unit, the DVNR system provides controlled precision enhancement of images in real time.

Easy reconfiguration for shared working

The different tools in the industry standard DVNR contain advanced and award-winning algorithms and filter technology resulting in superior picture quality. The technology includes advanced motion estimation, luminance and chrominance adaptation and adaptive and edge preserving filters to provide high quality results with no undesirable artefacts. The system can be easily reconfigured for different applications

and shared between different suites and departments as a common resource.

With Time-based licensing, costs can be matched to the project schedule and income.

A modest initial investment in DVNR hardware allows a wide range of tools and formats, with licenses available in SD, HD and 2k formats and ranging in duration from one week to one year.





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