

cineSpace™ and SCRATCH

Colour management for DI workflows

Introduction

Colour grade with confidence, knowing that you're previewing your film just as it will appear in the cinema. Within the SCRATCH DI workflow solution, cineSpace™ delivers precise display calibration, matching your reference monitor or projector to your own unique film out path and ensuring consistent viewing all throughout the colour pipeline.

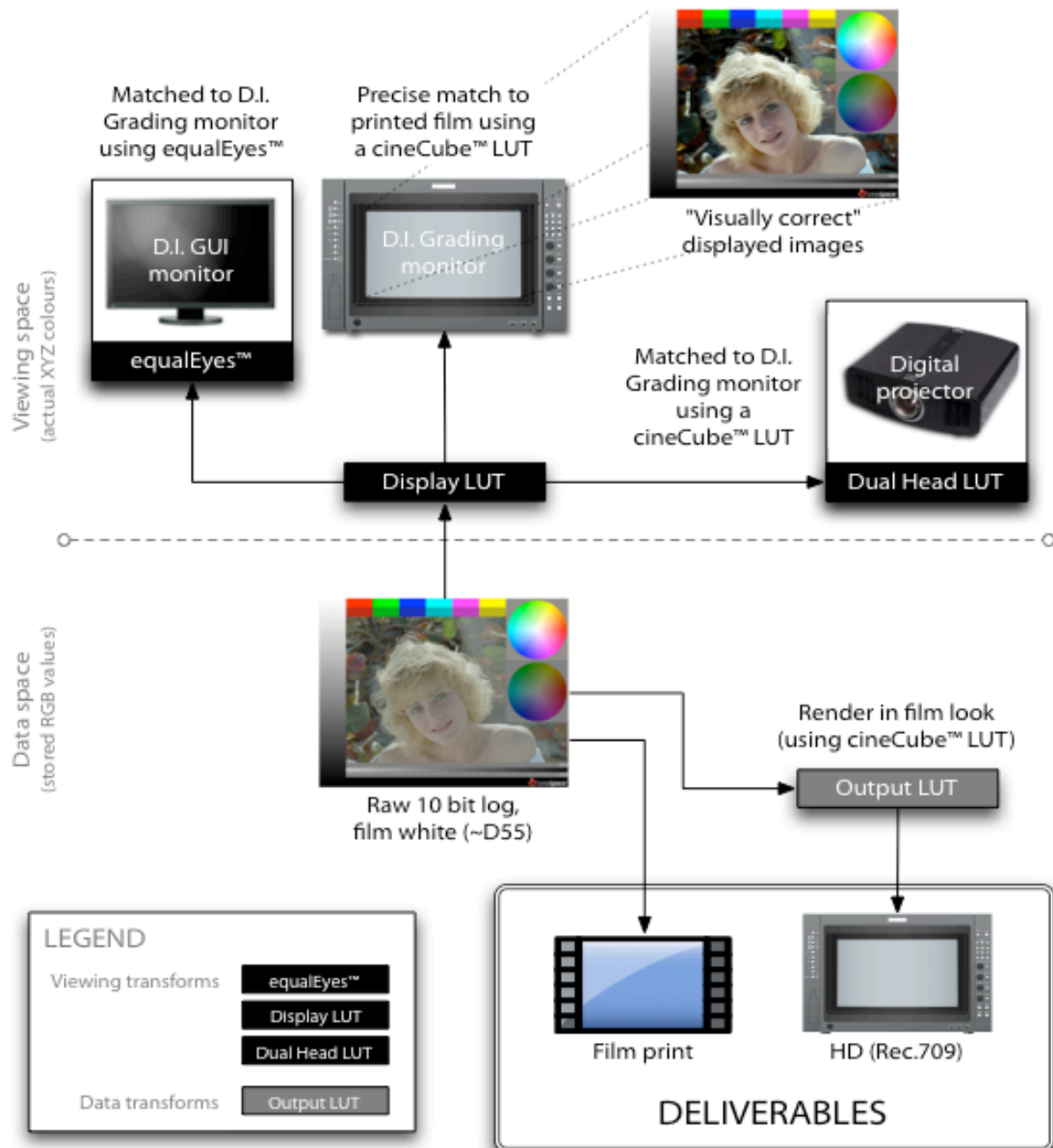
“(cineSpace) has allowed us to develop a truly accurate, calibrated path. During color correction (done from log DPX files), we can see an accurate preview of the film print on the projection screen, and at the same time we can see an equally accurate preview of the video version on a separate video screen (thanks to SCRATCH's ability to load two different view LUTs at the same time). Even though they are being displayed via two completely different signal paths, on completely different display technologies, they look essentially identical. This gives both us and our clients confidence that the process works. The prints we have made have proven to be accurate and true to what we see in electronic projection, and the video deliverables retain the same look and feel. In general, it has made it all quite simple, and we never have to think about the answer when a client asks ‘what will the print look like.’”

Mike Most, Chief Technologist, Cineworks Digital Studios

Using cineSpace™ with SCRATCH

cineSpace™ enables you to achieve three main goals in combination with SCRATCH:

1. Match a digital projector or secondary monitor to the main reference display;
2. Match the SCRATCH GUI monitor to the main reference display; and
3. Provide an on-screen emulation of the final output (e.g. film print or HD deliverable) on *all* displays.



Colour workflow using cineSpace™ with SCRATCH

After measuring profiles from all displays with cineProfiler™, use equalEyes™ on your SCRATCH GUI monitor to match the colour with your main reference display. Then, cineCube™ can create a 3D LUT for use as a SCRATCH *Display LUT*, to emulate how your material will look when printed to film (or any other deliverable medium). Similarly, use cineCube™ with the SCRATCH *Dual Head/SDI LUT* capability to align your digital projector with your main reference display.

Finally, cineSpace™ allows you to measure your lab process and film stocks to create a custom film profile for use in equalEyes™ and cineCube™, ensuring the best possible match to your final film outs.

cineSpace™ solution components

The cineSpace™ colour management suite comprises several applications that work together to bring consistency to your workflow:

cineProfiler™ 2.6

Accurate colour matching begins with precise profiling: cineProfiler™ both optimises and profiles your output devices. Whether you're using CRT or LCD screens, digital projectors or broadcast monitors, cineProfiler™ will create accurate profiles for all your viewing equipment. These profiles are then loaded into the other applications in the cineSpace™ suite to deliver accurate colour matching.

equalEyes™ 2.6

The perfect tool for matching displays throughout your facility, equalEyes™ modifies the operating system look-up table (LUT) to provide a calibrated desktop display. Using your monitor profile created in cineProfiler™, you can then select a suitable target profile such as sRGB, HD (rec. 709) or a custom colour temperature and gamma. User-defined presets enable you to quickly switch between various monitor and target profiles to compare results on different display devices. With equalEyes™, you can match an entire facility to a single reference standard.

cineCube™ 2.6

cineCube™ 2.6 is the ultimate application for building 3D calibration LUTs (*cubes*), allowing you to generate cineSpace™ colour transforms that can be easily applied in a wide range of tools. With a powerful new GUI, cineCube™ enables you to preview the effects of your LUT applied to an image, making it simple to adjust the calibration parameters, along with tools to analyse profiles and LUTs. cineCube™ 2.6 features a full range of cineSpace™ options, including support for digital projectors and LCDs, black point correction, white point adaptation, printer lights and out-of-gamut settings.

Custom film profiling

To get the best possible preview on-screen you need to know exactly what you're going to get on film, and this means making no assumptions. By taking advantage of the cineSpace™ custom film profiling service, you can be certain that your pipeline is correctly calibrated. Custom film profiling takes into account your film recorder, stocks and lab to create a precise representation of how the colours are represented when going to print.

Software Evaluations

To evaluate cineSpace™ with your SCRATCH system, simply visit the following web page and complete the request form:

<http://cinespace.rsrhq.com/contact.php#eval>

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