



# New Features in THX cineSpace™ 2.9.5

January 2012

The film and television industry's most widely adopted and flexible color management solution, THX cineSpace™, has evolved once again. The THX cineSpace 2.9.5 release delivers enhancements to the user experience and additional options for color workflow, making it the clear choice for ensuring color consistency in the world of digital intermediates, visual effects, broadcast, animation and games. Please review to discover the latest highlights.

Contact THX Ltd for more information about the THX cineSpace solution:

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## **cineCube Visual**

*Display reference color visualization and LUT building application.*

cineCube Visual was a major new addition to the THX cineSpace color management suite in version 2.7, as it is a powerful GUI-based application for generating color transforms. Transforms can be previewed applied to an image and then saved in a variety of 3D LUT (cube) formats ready for use in a huge range of industry applications and hardware, making it easy to achieve a calibrated pipeline no matter which tools you use.

cineCube Visual provides powerful visualization tools that allow you to analyze color gamuts, helping you identify issues with viewing devices, film outs and more. Now you can compare how well different monitors will handle film material, analyze your specific film out path compared with typical examples and track down out-of-gamut issues. More than just a basic LUT builder, cineCube Visual is invaluable for learning and teaching others about color management concepts. Both cineCube Visual and the existing command-line tool, cineCube, now support the Academy/ASC LUT file format in addition to a long list of previously supported formats, making THX cineSpace the most open and flexible color management solution for the film industry.

### **New in cineCube Visual 2.9.5**

- All users with a current SMA receive free upgrades to 2.9.5
- Inverse transform is now included with 2.9.5
- Enhancements to overall user experience

## **cineProfiler and cineProfiler Lite**

*Display reference profiling applications*

### **cineProfiler**

Accurate color matching begins with precise profiling of your display and color pipeline. cineProfiler both optimizes and profiles your output devices across all types of display technology and light sources including CRT, LCD, Plasma, DLP, and LED. cineProfiler will create accurate profiles for all your viewing equipment. These profiles are then loaded into the other applications in the THX cineSpace suite to deliver accurate color matching. cineProfiler features integration with Cine-tal hardware, enabling cineProfiler to connect directly to the DAVIO display processor and Cinemage monitor for profiling patch generation. cineProfiler communicates with the Cine-tal hardware over your local network, ensuring fast and reliable profile creation no matter what type of display or signal path you are using.

### **New in cineProfiler 2.9.5**

- Expanded support of colorimeters and spectral photometers:
  - ✓ XRite Eye One Display2
  - ✓ XRite Hubble
  - ✓ XRite Eye One Pro
  - ✓ XRite i1 Display Pro (OEM) (new for v2.9.5, supported on Windows and Linux)
  - ✓ DataColor Spyder 3 (new for v2.9.5, supported on Windows and OSX)
  - ✓ HP Dreamcolor Colorimeter
  - ✓ LaCie Blue eye 2
  - ✓ Sencore OTC-1000
  - ✓ Klein K-10
  - ✓ Klein K-1
  - ✓ Klein K-8
  - ✓ Photo Research PR-655
  - ✓ Photo Research PR-670
  - ✓ Photo Research PR-680
  - ✓ Photo Research PR-701
  - ✓ Photo Research PR-705
  - ✓ Photo Research PR-715
  - ✓ Progressive Labs MicroSpec
  - ✓ Flanders Scientific SR-1
  - ✓ Minolta CS-1000
  - ✓ Minolta CS-200
  - ✓ Minolta CS-100a

## **cineProfiler Lite**

*Free version of THX cineSpace 2.9.5 Color Management Suite offers accurate profiling of LCD based display systems.*

- Panasonic plasma profiling
- Supports the following colorimeters:
  - ✓ XRite Eye One Display2
  - ✓ XRite i1 Display Pro (OEM)
  - ✓ HP Dreamcolor Colorimeter
  - ✓ LaCie Blue eye 2

## **cineNuke Plugin**

*Color Management using 1D and 3D transforms from THX cineSpace profiles for The Foundry's NUKE.*

Nuke is a powerful compositing application that delivers unparalleled speed, functionality and flexibility to your VFX pipeline. The cineNuke PlugIn provides the THX cineSpace 3D color management engine directly incorporated into the Nuke application version 6.0 and X. You can take advantage of full 3D color transforms to ensure a perfect match to your output result, whether your final output is film, HD, DCI, Event Venue, Mobile displays, and so on.

THX cineSpace color management allows you to view the final result as it will really appear. Adjust parameters on-the-fly with immediate visual feedback, with options for working in linear or logarithmic color spaces and gamut treatment mode for identifying out-of-gamut colors. You can even burn-in the film look for sending to HD output or delivering off-site client previews.

The Inverse Transform option to cineNuke allows you to create transforms to accurately convert your graded video material into log space, ready for printing to film. Combined with our Custom Film Profiling service, you can even ensure that film outs through different labs all look the same.

### **New in cineNuke Plugin 2.9.5**

- THX cineSpace color management support for Nuke & NukeX 6.2 and 6.3 (various platforms)

## **Inverse Transform for cineCube Visual, and cinePlugins**

*New data transforms for HD to film, film to HD and other workflow pipelines.*

THX cineSpace is renowned for delivering an accurate on-screen preview of the final output by providing tailored viewing transforms. Starting in version 2.7, THX cineSpace offers an Inverse Transform option designed to modify the underlying image data so that it becomes suitable for output to a different medium. Now you have control over exactly how your creative vision will look when sending video-graded material to film, instead of relying on unpredictable results from film recorders or costly specialist lab services.

The Inverse Transform activates this functionality in multiple THX cineSpace components, including cineCube Visual and the cinePlugins, providing alternatives for applying the color transforms in your pipeline. Application examples include:

### **Video-to-film pipeline**

Material graded for HD (Rec 709) delivery can be easily transferred to film without the need for a full re-grade. Build an Inverse Transform based on your exact film out path, render it into the material and then preview the results using a standard THX cineSpace viewing transform –you can then make any final tweaks before recording to film. Even pure CG animation, with its highly saturated primary colors, can be prepared for a film release by adjusting the transform parameters as needed, previewing the results along the way.

### **Film-to-film transforms**

In many cases, the final film out path may not be known at the outset of a project, with film stocks, recorder or lab changing after color critical work has commenced. When this happens, THX cineSpace can be used to generate an Inverse Transform that adjusts the graded material so that it looks the same when delivered through a different film out path. By generating a THX cineSpace Custom Film Profile for each possible combination of film stocks, recorder and lab, you can choose one to use as your target profile during grading and then build an Inverse Transform to adjust the images for delivery based on a different target profile. Now you can be confident that your creative choices will always be faithfully reproduced on the final print, even when unexpected changes occur.

Starting with cineSpace v2.9.5, the inverse transform will be included as part of the basic applications.

## THX cineSpace Color Management 2.9.5 Quick Reference Guide

Product	New Features (from 2.9 to current)	Upgrade Price without current Software Maintenance Agreement	Upgrade Price under current Software Maintenance Agreement
cineProfiler	<ul style="list-style-type: none"> <li>• Panasonic plasma profiling</li> <li>• Wider support of colorimeters and spectral photometers:               <ul style="list-style-type: none"> <li>✓ XRite Eye One Display2</li> <li>✓ XRite Hubble</li> <li>✓ XRite Eye One Pro</li> <li>✓ XRite i1 Display Pro (OEM)</li> <li>✓ DataColor Spyder 3</li> <li>✓ HP Dreamcolor Colorimeter</li> <li>✓ LaCie Blue eye 2</li> <li>✓ Sencore OTC-1000</li> <li>✓ Klein K-10</li> <li>✓ Klein K-1</li> <li>✓ Klein K-8</li> <li>✓ Photo Research PR-655</li> <li>✓ Photo Research PR-670</li> <li>✓ Photo Research PR-680</li> <li>✓ Photo Research PR-701</li> <li>✓ Photo Research PR-705</li> <li>✓ Photo Research PR-715</li> <li>✓ Progressive Labs MicroSpec</li> <li>✓ Flanders Scientific SR-1</li> <li>✓ Minolta CS-1000</li> <li>✓ Minolta CS-200</li> <li>✓ Minolta CS-100a</li> </ul> </li> </ul>	<p>From 2.7: \$125</p> <p>From 2.8 or Higher: No Charge</p>	No Charge
cineProfiler Lite	<ul style="list-style-type: none"> <li>• Panasonic plasma profiling</li> <li>• Supports the following colorimeters:               <ul style="list-style-type: none"> <li>✓ XRite Eye One Display2</li> <li>✓ XRite i1 Display Pro (OEM)</li> <li>✓ HP Dreamcolor Colorimeter</li> <li>✓ LaCie Blue eye 2</li> </ul> </li> </ul>	No Charge	No Charge

Product	New Features (from 2.9 to current)	Upgrade Price without current Software Maintenance Agreement	Upgrade Price under current Software Maintenance Agreement
cineCube Visual	<ul style="list-style-type: none"> <li>• Linux 32/64 bit support</li> <li>• Direct LUT export to Cine-tal products DAVIO devices</li> <li>• Selectable output color space conversion <ul style="list-style-type: none"> <li>✓ XYZ</li> <li>✓ XvYcc</li> <li>✓ RGB</li> <li>✓ YCxCz</li> </ul> </li> <li>• Multiple out-of-gamut mapping methods <ul style="list-style-type: none"> <li>✓ LAB constant hue</li> <li>✓ IPT constant hue</li> <li>✓ CCLIP</li> <li>✓ SCLIP</li> </ul> </li> <li>• sLog, RedLog and other pre-transforms</li> <li>• Now includes inverse transform</li> </ul>	<p>From v2.7: Single- \$2,950 Floating - \$5,950</p> <p>From 2.8 or Higher: No Charge</p>	No Charge
Equal Eyes	No updates	No Charge	No Charge
ProbeServer	Wider support of colorimeters and spectral photometers.	No Charge	No Charge
Nuke Plugin	cineSpace color management support for Nuke & NukeX 6.0 and Higher Now includes inverse transform	<p>From v2.7: \$495</p> <p>From 2.8 or Higher: No Charge</p>	No Charge
Shake Plugin	No longer supported in v2.9.5	N/A	N/A
FilmMaster Plugin	Full Win 7 32 bit support Now includes inverse transform	No Charge	No Charge
Fusion Plugin	Support for Fusion 6 32 bit Now includes inverse transform	No Charge	No Charge

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