



# Digimetrics Eos

Broadcast Standards Monitor

Add Trust To Your Editing

The **Eos** plugin for Final Cut Pro (version 6 or later), allows you to perform broadcast standards compliance testing in two domains, Color Gamut (including legalization) and Safe Title Areas



For **Safe Title Area**, Eos provides preset overlays in a frame accurate playback window for:

- NTSC 4:3 (525 line raster)
- NTSC 16:9 (525 line raster)
- PAL 4:3 (625 line raster)
- PAL 16:9 (625 line raster)
- 720p
- 1080p
- 2k/Digital Cinema

using the following standards for measurement:

- SMPTE ST-2046-1
- SMPTE RP-218
- ARIB TR-B4
- ITU-R BT.1700
- ITU-R BT.1379-2
- EBU R92
- EBU R95

Where applicable, overlays for shoot and protect 4:3 and 14:9 are included. Users may also define their own overlay size and aspect ratio.

In regards to **Color Gamut**, Eos offers the ability to set limits in several methods:

- Percentage of legal limits (as defined by EBU R103)
- Millivolts (mV)
- IRE (absolute value adjusted to 0-255)

The user may choose to measure gamut against ITU-R standards BT.601 or BT.709, as well as any custom color spaces, which can be defined using the Y' Cb' Cr' coefficients for the RGB components.

Eos offers the ability to AutoFix gamut issues, legalizing the color by correcting, pixel by pixel, color components that are out of range for the given color space.

Additionally, the Eos Color Gamut test offers an XML-based report, showing which frames are out of gamut, and if AutoFix is enabled, which color components were adjusted.



frame	pixel_x	pixel_y	measure_R	measure_G	measure_B	corrected_R	corrected_G	corrected_B
535	604	435	252	147	103	240	149	104
535	605	435	253	142	102	240	144	103
535	606	435	252	146	103	240	145	103

## Professional Tools. Pro-sumer Prices.

The testing components of Eos are the same as used in Digimetrics' leading file-based QC suite, Aurora. So the same measurements used for testing your ingest, transcoding and playout storage can now be used directly in your editing process. Eos gives you access to professional level test & measurement tools at 'pro-sumer' prices.

To arrange an evaluation or obtain more information, contact Digimetrics or your local reseller.

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