NEW IN 2014

CalMAN™ 5 New Features

It's been an excitingly busy year at SpectraCal. See what's new below.

Color Comparator™ Charts – Provides visual color comparison of ColorChecker colors for accurate and intuitive evaluation of acceptable vs. excessive color rendering errors.

CalMAN ICC+ Computer Monitor Calibration – Produces optimized calibration data and ICC profile, with management of multiple calibration profiles for different operating modes.

Constant APL Test Patterns – Enables accurate measurement and calibration of displays, particularly plasmas, that dynamically adjust luminance levels, based on the current image APL.

BT.1886 gamma formula – The new ITU-R BT.1886 industry standard gamma formula is now the CalMAN default gamma formula for video workflows.

Sliding Power gamma formula – Similar function to the BT.1886 gamma formula, with black level compensation, but with a selectable, sliding power exponent.

Virtual LUT 10-bit support – The internal CalMAN virtual LUT is now created with 10-bit color depth for greater correction data accuracy when transferred to a hardware LUT device.

VirtualForge 10-Bit Support – CalMAN supports 10-bit color depth signals from the VirtualForge software test pattern generators for increased LUT data accuracy.

Updated 3D LUT Technology – CalMAN is continually being updated with advanced algorithms and methods for generating 3D LUTs, including Volumetric Interpolation™ and Dynamic Linearity Correction.™

New Display Support

Display manufacturers are jumping on-board with SpectraCal to find calibration solutions for the studio industry. The result? Monitors capable of storing corrective 3D LUTS directly from CalMAN software. The following are the monitors that currently support integration with CalMAN 5, for Direct-Load 3D LUTs™ and/or AutoCal™.

Dolby PRM-4220: Direct-Load 3D LUT™ support (internal patterns pending)

EIZO ColorEdge: Direct-Load 3D LUT™, internal meter, internal patterns

Flanders Scientific: Direct-Load 3D LUT™ support

HP DreamColor II: Direct-Load 3D LUT™ support

JVC RS-840UD 4K 84": AutoCal™ support

Marshall: AutoCal™ support

Panasonic Touchpad 4K Tablet: ICC+™ with CalMAN RGB

Panasonic BT4 4K: Direct-Load 3D LUT™ support

Panasonic TH-55LFVxx video wall panels: AutoCal™ support

TV Logic XVM-series: Direct-Load 3D LUT™ support

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