CalMAN for Resolve

Manufacturer: SpectraCal, Inc.

Company Logo:

SpectraCal

Product Logo:

Short Description: Monitor Calibration Software for DaVinci Resolve

Full Description: CalMAN for Resolve provides complete 3D LUT (look up table) calibrations for reference monitors running Blackmagic DaVinci Resolve color correction software. Designed for production houses and independents who rely on color-critical video content, CalMAN for Resolve will not only generate and load 3D calibration LUTs into DaVinci Resolve, but also uses Resolve software as a pattern generator. These unique capabilities make CalMAN for Resolve by far the most affordable calibration solution for the studio market, while still offering unparalleled accuracy.

Benefits: Editors, colorists and production specialists using CalMAN for Resolve can be confident their reference monitors are displaying colors accurately. The 3D calibration LUTs generated by CalMAN for Resolve will effectively bring monitors into conformance with the most widely recognized color standards, specifically Rec.709 colorspace, BT.1886 gamma and D65 white point. In addition to these benefits, CalMAN for Resolve is:

- Fast. CalMAN's adaptive algorithms generate 3D calibration LUTs in under an hour.
- Accurate. Volumetric interpolation technology ensures the most accurate video correction.
- Easy to follow. CalMAN provides on-screen, step-by-step instructions.

Key Features:

- Control light measurement devices and DaVinci Resolve patterns directly from the CalMAN application.
- Calibrate up to 4,913 color points for perfect color accuracy.
- Configure color performance to widely-used industry standards (D65, BT.1886, Rec.709)
- Generate 17x17x17 3D LUTs specifically for Resolve in .cube format
- Visually compare calibrated performance to the target values.

Purchasing Options

- CalMAN for Resolve (Software Only)
- CalMAN for Resolve + the SpectraCal C3 Colorimeter
- CalMAN for Resolve + the SpectraCal C6 Colorimeter

Included Workflows:

- *Introduction* – contains a software tutorial that explains the basics of using CalMAN RGB and includes a full overview of the software's layout and navigational features.
- *ColorChecker* – runs a performance test to verify a monitor's conformance with industry standards and alerts users if the monitor is in need of (re)calibrating.
- *ColorCube* – generates a 3D calibration LUT to be loaded into DaVinci Resolve while using DaVinci Resolve as a test pattern generator.
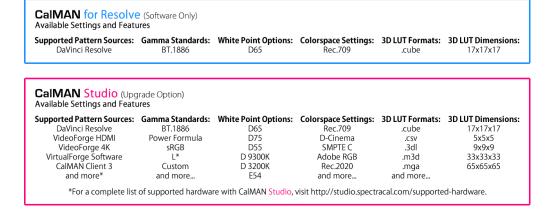
Calibration Processes:

- *Performance Analysis* – analyzes monitor performance prior to generating a calibration LUT. Alerts user if preliminary monitor adjustments are necessary.
- *Monitor Optimization* – allows user to adjust colorspace, color temperature, gamma, dynamic range, RGB cuts/gains, and luminance settings prior to generation of a 3D LUT.
- *3D LUT Calibration* – generates a 17x17x17 .cube file compatible with DaVinci Resolve.
- *Performance Verification* – allows user to analyze calibration results in comparison with the initial performance analysis, as well as in comparison with selected industry standards.

Available Targets:

- Colorspace – Rec.709
- White point – D65
- Gamma – BT.1886

Compared to CalMAN Studio:

CalMAN for Resolve (Software Only)
Available Settings and Features

Supported Pattern Sources:	Gamma Standards:	White Point Options:	Colorspace Settings:	3D LUT Formats:	3D LUT Dimensions:
DaVinci Resolve	BT.1886	D65	Rec.709	.cube	17x17x17

CalMAN Studio (Upgrade Option)
Available Settings and Features

Supported Pattern Sources:	Gamma Standards:	White Point Options:	Colorspace Settings:	3D LUT Formats:	3D LUT Dimensions:
DaVinci Resolve	BT.1886	D65	Rec.709	.cube	17x17x17
VideoForge HDMI	Power Formula	D75	D-Cinema	.csv	5x5x5
VideoForge 4K	sRGB	D55	SMPTE C	.3dl	9x9x9
VirtualForge Software	L*	D 9300K	Adobe RGB	.m3d	33x33x33
CalMAN Client 3	Custom	D 3200K	Rec.2020	.mga	65x65x65
and more*	and more…	E54	and more…	and more…	

*For a complete list of supported hardware with CalMAN Studio, visit http://studio.spectracal.com/supported-hardware.

System Requirements:

Requirements for Windows – Microsoft Windows Vista SP3 with latest updates installed (recommended Windows 7 SP1 or higher), 2 GHz processor (recommended: 2 GHz dual core processor), 2 GB RAM (recommended 4 GB RAM), 2 GB available disk space.

Requirements for Macintosh running VMware Fusion with Windows installed – Macintosh Mac OS X 10.7 or higher with latest updates installed, Intel Core Duo processor, 2 GB RAM (recommended 4 GB RAM), 2 GB available disk space, VMware Fusion, Microsoft Windows Vista SP3 with latest updates installed (recommended: Windows 7 SP1 or higher).

About the SpectraCal C3 Colorimeter: The SpectraCal C3 Colorimeter provides highly accurate readings of flat panel displays, including LED, LCD and plasma. A perfect solution for the budget conscious – the SpectraCal C3 is not only fast, accurate and compact, but affordable as well.

About the SpectraCal C6 Colorimeter: The SpectraCal C6 Colorimeter is an exceptionally accurate meter, designed specifically for use with CalMAN software. Because the SpectraCal C6 is capable of interfacing with CalMAN, it is field upgradeable. In other words, as calibration tables for new display technologies (such as OLED and wide gamut) become available, the SpectraCal C6 does not need to be sent in to the manufacturer to have these new tables added. The SpectraCal C6 is the only meter in the world capable of updating via software in this way, and therefore is capable of supporting every display technology on the market.

About CalMAN for Resolve (Software Only): Versions of CalMAN for Resolve purchased without a meter can be used with the following light measurement devices:

- SpectraCal C3
- SpectraCal C6
- X-Rite i1Display Pro (OEM)
- X-Rite i1Pro, i1Pro 2
- Klein K-10(A)/Cinema Pro
- Sencore ColorPro V
- Konica Minolta LS-100
- Konica Minolta CL-200
- Konica Minolta CS-100a/200
- Konica Minolta CA-210/310
- JETI SpecBos 1201/1211