

ColorGradingLine/

3-chip DLP-based Videoprojectors for Color Grading Applications



ColorGradingModels/



“COLOR ACCURACY”, this is the Mantra for the New Line of projectors dedicated to COLOR GRADING operations. These products are new, but they come from a long history of Accuracy among the range of Post Production applications, where SIM2 has been present for a long time. Based on 3-chip DLP technology, the COLOR GRADING projectors sport Full-DCI Gamut, new Optical Paths, Notch Filters, Calibration Software solutions, and improved performances, making them true REFERENCE DISPLAYS, MADE IN ITALY. This is what every Colorist needs to do a perfect job and be sure of the final result at the Theatre. The Cinema Industry has now definitively switched into Digital, so an instrument you can always trust makes activities easier, faster and more accurate. We can see a lot of efforts and improvements in Color Retouching Software

solutions: such a high level of accuracy requires Displays of the same level, and when the size moves from a small flat Monitor to a big screen, the search for a videoprojector with suitable performances can result in a big headache.

SIM2 HAS THE SOLUTION!

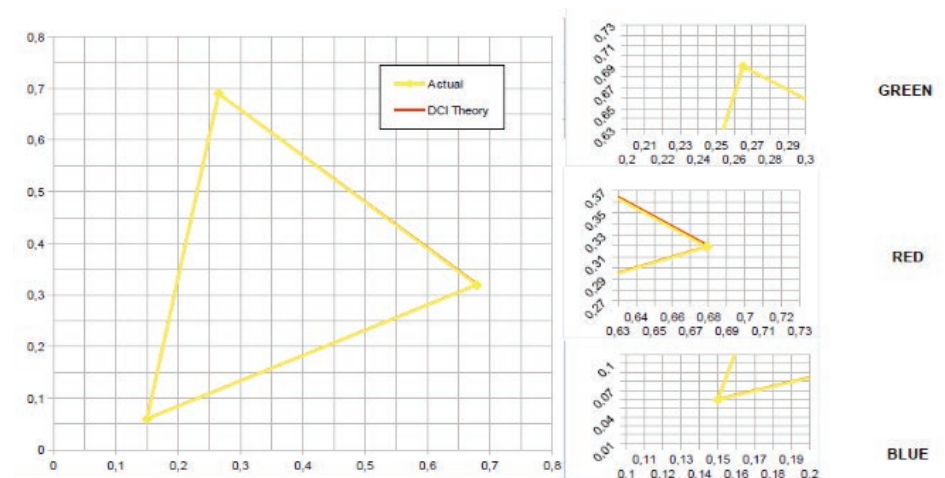
The Color Grading Line satisfies all of these requirements, with the not negligible advantages of:

- 3 chip Design with Alpha Path™
- More than 15 Years of lifetime DLP™
- Autocalibration on request
- Full Training & Service (up to 24 hrs/day)
- Accurate Gamut (DCI or Rec.709)
- Low Power consumption
- Low Heating & Low Noise
- Small footprint

SIM2 Color Management

The presence of SIM2 Color Management, a unique Color Calibration Algorithm of P7 type, allows the user to move the coordinates (x, y) of all the Main Colors in the Gamut Triangle with high precision, taking them exactly where it is needed. All the Main Colors means each of them, even the Secondaries (Cyan, Magenta and Yellow): DCI Gamut specifications must be met with a tolerance close to zero, and Color Reference projector series was designed and optimized to fully respect these specifications. White has several internal presets, factory set, but can be moved virtually anywhere, even with the simple IR remote control.

Color Reference models after calibration and ready for shipping





COLOR REFERENCE 720

DLP 3-Chip HD ready - DCI gamut

- DLP 3Chip DC3
- Rec.709 or DCI Gamut permanent Color Filter
- P7 Color Management
- 3 Lenses available
- Color Memory Banks
- Parametric Gamma Curve
- Contrast ratio (Full ON/Full OFF): >2,500:1
- Real 10 bit per Color internal Processing
- 50% of Image Vertical Shift, Optical
- Low Noise
- Compact size
- Only 12 Kg weight

COLOR REFERENCE 1080/1080HB

DLP 3-Chip full HD - DCI gamut

- Full HD
- Rec.709 or DCI Gamut permanent
- DLP 3Chip DC4 0,95"
- P7 Color Management
- **New 350W lamp (Dimmable) (1080 HB version)**
- 280W lamp (1080 version)
- Contrast ratio (Full ON/Full OFF):
>16,000:1 (1080 HB version)
>3,000:1 (1080 version)
- 3 Lenses available
- Color Memory Banks
- Parametric Contrast Curve
- 50% of Image Vertical Shift, Optical
- Low Noise
- Compact size
- Only 12,5 Kg weight

COLOR REFERENCE 1080 TOP

DLP 3-Chip full HD - Rec.709 & DCI Gamut
Dual Filter

- **Automatic Calibration with integrated Color Sensor**
- **Rec.709 & DCI Gamut change-on-the-fly**
- **Motorized sled carrying 2 Filters**
- **New 350W lamp (Dimmable)**
- Full HDMI 1,4 3D Support
- DLP 3Chip DC4 0,95"
- Triple Flash 3D (144HZ)
- Contrast ratio (Full ON/Full OFF): >16,000:1
- 3 Lenses available
- P7 Color Management
- Color Management Memory Banks
- Parametric/Custom Contrast Curve
- Dual Color Memory Banks, for Rec.709 and DCI
- +50% of Image Vertical Shift, Optical
- Low Noise
- Compact size
- Only 14 Kg weight

Feature	Color Reference 720	Color Reference 1080/1080 HB	Color Reference 1080 Top
3-chip DLP® type (and resolution):	720p (1280x720 pixels)	0,95" 1080p DC4 (1920x1080 pixels)	0,95" 1080p DC4 (1920x1080 pixels)
SIM2 ALPHAPATH Light Engine:	●	● Improved version	● New platform
SIM2's 3D active Triple Flash Technology (144 Hz.):	n.a.	1080 HB model only	●
Contrast ratio (Full ON/ Full OFF):	>2.500:1	1080: >3.000:1 1080 HB: >16.000:1	>16.000:1
Lamp Power (dimnable):	250W	1080: 280W 1080 HB: 350W	350W
Brightness (Ansi Lumens) ⁰⁾ :	up to 2,000	1080: up to 2,000 1080 HB: >4,000	>4,000
Automatic Calibration with integrated color sensor:	n.a.	n.a.	●
Rec. 709 or DCI Gamut Color filters - permanent:	●	●	● quick change thanks to a motorized sled w/ 2 filters
P7 Color Management & Color Memory Bank:	●	●	● Dual
Parametric/Custom Contrast curve:	Parametric Gamma curve only	●	●
Lenses Throw ratio:	2.0-3.0:1 (type T2, standard); 1.5-2.0:1 (type T1); 3-4.7:1 (type T3)	1.82-2.48:1 (type T2, standard); 1.37-1.66:1 (type T1); 2.6-3.9:1 (type T3)	1.82-2.48:1 (type T2, standard); 1.37-1.66:1 (type T1); 2.6-3.9:1 (type T3)
Optical shift & digital Keystone adjustment (Vertical):	●	●	●
INPUTS/OUTPUTS:	1x Composite Video ● 1x Graphic RGBHV ● 1x Component YCbCr/RGBs ● 1x RS-232 ● 1x USB (B type) ● 2x HDMI v.1.3 w/ Deep Color ● 3D Sync Out ● 3x 12V 100mA output	1x Composite Video ● 1x Graphic RGBHV ● 1x Component YCbCr/RGBs ● 1x RS-232 ● 1x USB (B type) ● 3D Sync Out ● 3x 12V 100mA output 1080 only: 2x HDMI v.1.3 w/ Deep Color ● 1x USB (B type) 1080 HB only + 1x LAN ● 1x USB (A type) ● 2x HDMI (v.1.4 w/ Deep Color)	1x Composite Video ● 1x Graphic RGBHV ● 1x Component YCbCr/RGBs ● 1x RS-232 ● 1x USB (B type) ● 3D Sync Out ● 3x 12V 100mA output ● 1x LAN ● 1x USB (A type) ● 2x HDMI (v.1.4 w/ Deep Color)
Projector weight:	12 Kg. / 26.5 lbs	12,5 Kg. / 27.6 lbs	14 Kg. /30.9 lbs
Projector dimensions:	435 x 190 x 430 mm (17.2" x 7.5" x 16.9")	458 x 210 x 455 mm (18" x 8.3" x 17.9")	458 x 210 x 455 mm (18" x 8.3" x 17.9")

⁰⁾ This is the typical projector brightness specification found in most sales literature. This measurement allows for direct comparison with other manufacturer's projectors. Measurements are taken in a totally dark test room with brand new lamp at full power, lamp's native white color temperature, internal test pattern (full white) and in compliance with ANSI IT7.228-1997 specification.

COLOR GRADING LEAFLET - Oct 2014 - Due to constant product development, specifications are subject to change without notice.