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SIM2 è certificata



MADE IN ITALY

PROC4 DCI

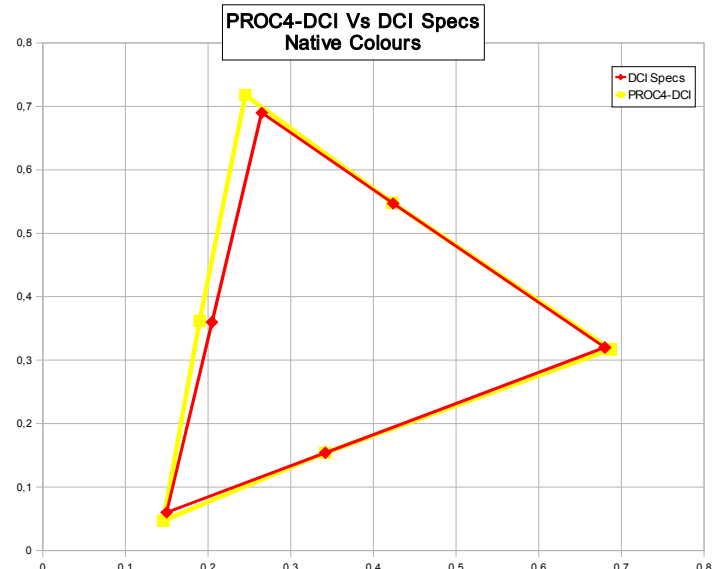
DLP 3Chip Projector HD Full - DCI Gamut

- Full HD
- DLP 3Chip DC4
- DCI Gamut
- P7 Color Management
- 3 Lenses available
- Colour Memory Banks
- Parametric Contrast Curve
- 50% of Image Vertical Shift, Optical
- Low Noise
- Compact size
- Only 13,5 Kg weight



A REFERENCE

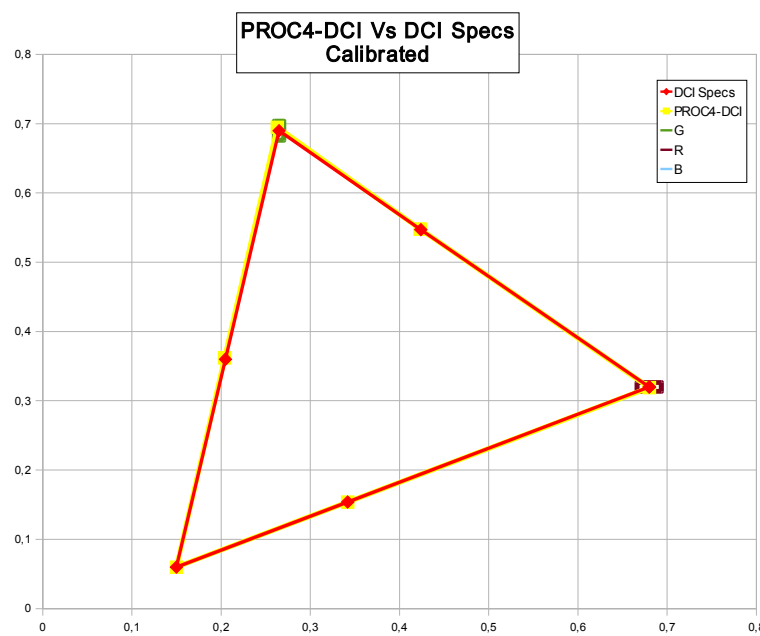
The Project for **PROC4 DCI** was born with the aim of making a new DLP 3-chip Projector, having **compact dimensions**, an **affordable price** and a **terrestrial Power Consumption**, accurate in every detail and having the ambition to become **a Reference in Color Grading applications**. All the stages critical to the definition of Brightness, Colorimetry, Contrast, Grey Scale Neutrality and Adjustment of the Gamma Curve have been optimized to the best in order to get as close as possible to Excellence.



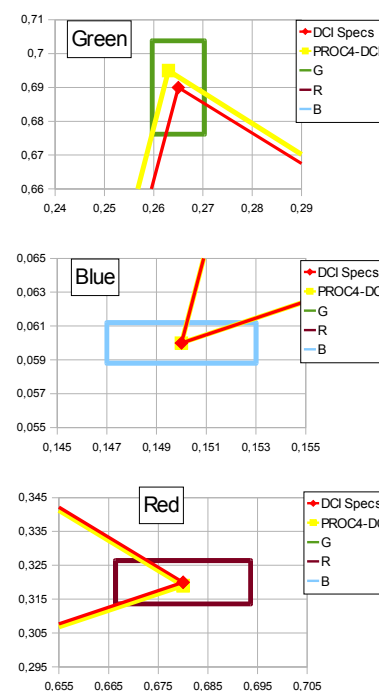
PROC4 DCI native Triangle in Yellow, DCI Triangle in Red

Descending from PROC4, the first projector in the world having a compact **DLP 3chip Full-HD DarkChip 4 Architecture**, implementing the renowned optical path able to deliver high brightness images in a very compact shape, named **Alpha Path™**, and the typical color fidelity belonging to a real **10 bit per Color internal Processing**, the DCI PROC4 has a permanent Color Filter expanding its Gamut triangle well over the HD Native specifications (Rec.709), and **slightly over the DCI specs themselves**, in order to have a tolerance to compensate for some deviations from the reference, using the factory calibration with external Professional Color Sensors. Brightness level after the DCI Filter, at Maximum Power with Native White, is strong enough to achieve 55 cd/sqmt or 16 ft/Lbt on screens wide up to 4 meters. Using a simple 280W lamp, dimmable down to 230W in ECO Mode, a significant savings in electric power if compared to Xenon lamps.

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 colors with high precision, taking them exactly where it is needed. All colors means each of them, even the **Secondaries** (Cyan, Magenta and Yellow): **DCI Gamut specifications** must be met with a maximum tolerance of 2%, and PROC4 DCI 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.



Same PROC4 DCI, Calibrated and ready to be shipped



WORLD FAMOUS IMAGE PROCESSING

Among the users of Standard PROC4, we can find some **Hollywood Film makers** considered **first magnitude stars**, awarded with the most famous Prizes thanks to the high quality of their productions (we recommend a trip to our website www.sim2-professional.com for more).

This we believe is a guarantee of excellence in the treatment of **Moving Images**, achieving an unsurpassed smoothness thanks to the **De-interlacing** and the **HD integrated Scaler**.



INPUTS

The PROC4 DCI can exhibit a good number of Inputs for **Analog** and **Digital** signals, ranging from the simple CVBS, through VGA and Component, up to the 2 HDMI Inputs being fully compatible with the **Single Link HD-SDI 10-bit** Specifications.

EASYSINEMA

A reference tool should be handled with extreme precision in every part, and this is why we have developed **EasyCinema**, the Management and Calibration software specifically optimized for the range of SIM2 Professional Projectors. The management PC can be connected via **USB** or **RS-232**, and it is only necessary when you want to make a change to the internal calibration parameters. **EasyCinema** can use any type of external Professional Probe, allowing the user to not abandon the preferred measuring instrument. At the same time, it is possible to use the factory set internal PRESETS, or define new ones and save them inside the available Memory Banks. Preset Recall can be done through the simple IR handheld remote control.

LIGHT ENGINE – GLASS LENS

DLP® Type: 3 Chip 0,95 1080p DC4
 Resolution: 1920x1080x3chip Native
 Lens: t1, t2 AND t3, motorized Zoom and Focus
 Brightness: 2,000 ANSI lm, Native White
 Lamp Power: 2,80W dimmable to 230 W
 Lamp Life: >2,000 hrs AVG, >3,000 hrs in ECO MODE.
 Contrast ratio: >3000:1 "full on full off"

INSTALLATION

Throw ratio: 1,75-2,48:1 (standard lens - type T2)
 1,37-1,66:1 (type T1 – on request)
 2,54-3,9:1 (type T3 - on request)
 Lens shift: Half up picture = 50% total (standard lens)
 Keystone: Digital Adjustment
 Picture size: up to 6mt (236 inches) width
 Aspect ratio: 4:3, 16:9 Anamorphic, LetterBox, panoramic, pixel to pixel, 3 custom-user adjustments

ELECTRONICS

Horiz. & Vert. scan Freq.: 15-120kHz/48- 100Hz + 24Hz @ 1080p
 SDTV: PAL (B,G,H,I,M,N,60); SECAM; NTSC automatically selected

Video Modes:

- Interlaced: 576i and 1080i @25Hz, 480i and 1080i @30Hz
 720p & 1080p @ 24/25 Hz;
 576p, 720p & 1080p @50 Hz;
 480p 720p & 1080p @ 60Hz;
 720p & 1080p @23,98Hz;
 720p & 1080p @29,97Hz

Video delay: 4 frames Max
 PC/Mac: from VGA to UXGA @ 65Hz
 On Board Video Processing: built in, full 10 bit

INPUTS/OUTPUTS

1 x S-Video (mini DIN 4 pins)
 1 x Composite Video (RCA)
 1 x Component - Analog YPbPr/RGBs (RCA x 4)
 1 x Graphic RGBHV (VGA-UXGA) (D-Sub 15 pin)
 2 x HDMI™-HDCP (1.3 with DeepColor)
 1 x USB 1.1 (2.0 compatible)
 1 x RS232 (D-Sub 9 pin)
 1 x 12V 100mA jack
 1 x 12V 100mA jack for 4:3/16:9 aspect ratio

GENERAL SPECIFICATIONS

Internal Firmware: upgradable via RS232 serialinterface, USB & LAN
 Mains voltage range: 100-240Vac ±10% (48/62Hz)
Power consumption: 420W approx.
 Weight: approx. 13 Kg. (28,66 lbs)
 Dimensions (WxHxD): 435x190x430 mm (17.2"x7.5"x16.9")

CERTIFICATIONS

Safety: in compliance with EN 60950/UL60950
 Emission: in compliance with EN 55022
 Immunity: in compliance with EN 55024

SUPPLIED ACCESSORIES

Installation and User Manual;
 AC power cords (2m - 6,6 ft);
 Remote control and batteries;
 EasyCinema software