HEADQUARTER:
SIM2 MULTIMEDIA S.p.A.
Viale Lino Zanussi, 11
33170 Pordenone - Italia
Tel. +39.0434.383256
Fax +39.0434.383260
C.F e P.IVA: 01296300930
info@sim2.it
www.sim2-professional.com
www.sim2.com
www.sim2.it

UK:
SIM2 UK LTD
Steinway House, Worth Farm,
Little Horsted, Nr Uckfield
East Sussex TN22 5TT
Tel. +44.(0)1825.750850
Fax +44.(0)1825.750851
info@sim2.co.uk
www.sim2.co.uk

USA:
SIM2 USA INC.
10108 USA Today Way
Miramar, FL 33025
Tel. +1.954.442.2999
Fax +1.954.442.2998
sales@sim2usa.com
www.sim2usa.com

GERMANY:
SIM2 DEUTSCHLAND GmbH
ArndStr. 34-36
D-60325 Frankfurt Am Main
Tel. +49.163.5007462
Tollfree: 0800.8007462
Fax :0800.9007462
info@sim2.de
www.sim2.de

SIM2 Asia Pacific Co. Ltd.:
Room 302-303, No.244
Liaoning Road, Shanghai
P.R.C (200080)
公司电话及传真
(Office Tel&Fax):
+86-21-62881991
移动电话 (Mobile):
+86 15921452996
E-mail:
InfoCHINA@sim2.com
vsheng@sim2.com
www.sim2.net.cn

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PROC4 3D Active (QUAD)

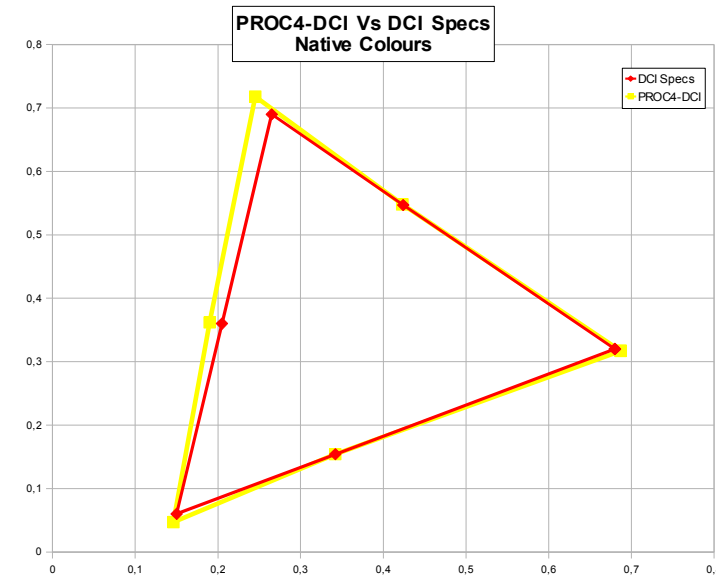## DLP 3Chip Projector HD Full – Dual Filter

- DLP 3Chip DC4
- Full hdmi 1,4 3D Support
- Rec.709 or DCI "on-the-fly"
- Triple Flash 3D
- 2 Notch Filters
- P7 Color Management
- 3 Lenses available
- Colour Management Memory Banks
- Parametric/Custom Contrast Curve
- +50% of Image Vertical Shift, Optical
- Low Noise
- Compact size
- Only 11,5 Kg weight
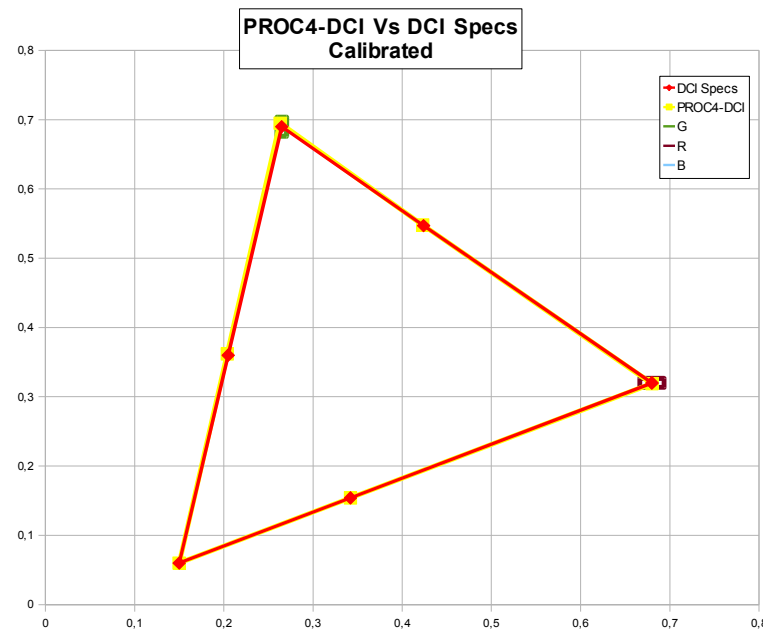
A REFERENCE FOR GRADING, 3D NOW

PROC4 3D Active is like **2-projectors-in-one:** one is a Standard REC.709, supporting 3D and 2D, giving more than 3.500 Lumen at native White, while the other is a REAL DCI GAMUT, supporting 3D and 2D, still giving around 2.000 Lumen at native White. The change is performed by a fast moving motorized sledge, hidden inside the optical path, not visible from outside.

PROC4 3D Active expands the application range of PROC4 DCI into the **3D WORLD**, and in facts its nickname **QUAD** comes from the **4 working Modes** it makes available: **1)** 2D – Rec.709; **2)** 2D - DCI; **3)** 3D – Rec.709; **4)** 3D – DCI. PROC4 3D Active has the same **compact dimensions of PROC4 DCI**, an **affordable price, a terrestrial Power Consumption**, and above all it shares the same ambition of being 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**. Optics are based on the renowned **Alpha Path™** from SIM2, and the typical color fidelity belonging to a real **10 bit per Color Processing.** Memory Banks can now include the use of a different Notch Filter, hence a different Gamut Triangle. Working in this way, a higher Brightness level will be available when using the Rec.709 Gamut, while the DCI Filter offering a higher accuracy and a lower but still suitable brightness will be available when necessary. Using a simple 280W lamp, dimmable down to 230W in ECO Mode, a significant savings in electric power consumption if compared with Xenon lamps.

PROC4 3D Active native Triangle in Yellow, DCI Triangle in Red

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 maximum tolerance of 2%, and PROC4 3D Active 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 3D Active, 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 tour on 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** processs and the **HD integrated Scaler**.

INPUTS

The PROC4 3D Active can exhibit a good number of Inputs for **Analogue** 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. The 3D Signal must be fed through one of the 2 available hdmi, version 1.4. We are available to suggest external combiners.

Live Colour Calibration

A reference tool should be handled with extreme precision in every part, and this is why we have developed **LCC**, the step after EasyCinema, that is the Management and Calibration software specifically optimized for **PROC43D Active**. 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. **LCC** 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			Video delay:	4 frames Max
DLP® Type:	3 Chip 0,95 1080p DC4		PC/Mac:	from VGA to UXGA @ 65Hz
Resolution:	1920x1080x3chip Native		On Board Video Processing:	built in, full 10 bit
Lens:	t1, t2 AND t3,			
	motorized Zoom and Focus		**INPUTS/OUTPUTS**	
Brightness Rec.709:	3,500 ANSI lm, Native White, 2D		1 x S-Video (mini DIN 4 pins)	
Brightness DCI:	2,000 ANSI lm, Native White, 2D		1 x Composite Video (RCA)	
Lamp Power:	280W dimmable to 230 W		1 x Component - Analog YPbPr/RGBs (RCA x 4)	
Lamp Life:	>2,000 hrs AVG,		1 x Graphic RGBHV (VGA-UXGA) (D-Sub 15 pin)	
	>3,000 hrs in ECO MODE.		2 x HDMI™-HDCP (1.3 with DeepColor)	
Contrast ratio:	>3000:1 "full on full off", No Dynamic Black		1 x USB 1.1 (2.0 compatible)	
			1 x RS232 (D-Sub 9 pin)	
INSTALLATION			1 x 12V 100mA jack	
Throw ratio:	1,75-2,48:1 (standard lens - type T2)		1 x 12V 100mA jack for 4:3/16:9 aspect ratio	
	1,37-1,66:1 (type T1 – on request)			
	2,54-3,9:1 (type T3 - on request)		**GENERAL SPECIFICATIONS**	
Lens shift:	Half up picture = 50% total (standard lens)		Internal Firmware:	upgradable via RS232 serialinterface,
Keystone:	Digital Adjustment			USB
Picture size:	up to 6mt (236 inches) width		Mains voltage range:	100-240Vac ±10% (48/62Hz)
Aspect ratio:	4:3, 16:9 Anamorphic, LetterBox, panoramic,		Power consumption:	440W approx.
	pixel to pixel, 3 custom-user adjustments		Weight:	11,5 Kg (24,5 lb) approx.
			Dimensions (WxHxD):	455x210x460 mm
ELECTRONICS				(17.9"x8.3"x18.1")
Horiz. & Vert. scan Freq.:	15-80kHz/24-30 and 48-120Hz			
SDTV:	PAL (B,G,H,I,M,N,60); SECAM; NTSC		**CERTIFICATIONS**	
	automatically selected		Low Voltage:	in compliance with EN 60950/UL60950
3D Formats	All HDMI 1.4a mandatory formats		EMC:	EN 55022, EN 55022 A1 A2, EN61000-3-2,
	All DVB formats			EN61000-3-3
	And more...			
Video Modes:			**SUPPLIED ACCESSORIES**	
- Interlaced:	576i and 1080i @25Hz, 480i and 1080i @30Hz		Installation and User Manual;	
- Progressive:	720p & 1080p @ 24/25 Hz;		AC power cords (2m - 6,6 ft);	
	576p, 720p & 1080p @50 Hz;		Remote control and batteries;	
	480p 720p & 1080p @ 60Hz;		LiveColorCalibration Software	
	720p & 1080p @23,98Hz;		IR-Emitter + 4 Active Glasses 3D	
	720p & 1080p @29,97Hz			