

Grand Cinema C3X 1080:

## Preliminary Technical Specifications

### LIGHT ENGINE

DLP® Type: 3 Chip DMDs 0,95" 1080p DC4  
Resolution: 1920x1080 pixels  
Lens: High quality, high resolution improved optics for higher contrast and better black level with both motorized zoom and focus adj.  
Lamps power consumption: 250W dimmable  
Contrast ratio (Full ON/ Full OFF): >10.000:1

### INSTALLATION

Throw ratio standard lens: 1,7-2,6:1 (type T2)  
Throw ratio optional lenses: 1,3-1,7:1 (type T1);  
2,6-3,5:1 (type T3 - available from Q1 2008)  
Lens shift: half up picture =>50%  
Digital keystone adjustment  
Picture size (inches diagonal): 50-300  
Aspect ratio: 4:3, 16:9 Anamorphic, LetterBox,  
Panoramic, Pixel to Pixel + 3 custom-user adjustments

### ELECTRONICS

Horizontal & vertical scan freq.: 15-80kHz/24-100Hz  
SDTV: PAL (B,G,H,I,M,N,60); SECAM; NTSC  
automatically selected  
HDTV: ATSC (480p, 720p, 1080i, 1080p\*); 576p +  
1080i 50Hz, 1080@24fps.  
PC graphic standard: VGA, SVGA, XGA, SXGA,  
UXGA, WUXGA  
10 bit Full Channel Signal Board Video Processing

### INPUTS/OUTPUTS

Digital: 2 x HDMI™-HDCP compliant  
Analog: 1 x S-Video (mini DIN 4 pins)  
1 x Composite Video (RCA)  
1 x RGBS-YCrCb (4 RCA)  
1 x RGBHV (D-Sub 15 pin)  
control: 1 x USB connector  
1 x RS232 (D-Sub 9 pin)  
Miscellaneous: 1 x OUT Digital Audio (Toslink)  
1 x 12 V 100 mA (via jack)  
1 x Input External IR sensor

### GENERAL SPECIFICATIONS

Software control: upgradable via RS232, serial interface or USB  
Weight: 11 Kg. or 24.3 lbs  
Dimensions (WxHxD): 435x190x430 mm (17.2"x7.5"x16.9")  
Mains voltage range: 100-240 +/-10% (48/62 Hz)

### SUPPLIED ACCESSORIES

Installation and User Manual;  
AC power cords (2m - 6.6 ft);  
Backlit remote control and batteries

### CABINET COLORS

Standard: High-gloss Gun Metal finish  
Optional: High-gloss Black, Gold or Red finish



Headquarters:  
SIM2 MULTIMEDIA S.p.A.  
Viale Lino Zanussi, 11  
33170 Pordenone - Italy  
Tel. +39.0434.383256  
Telefax +39.0434.383260  
E-mail: info@sim2.it  
Web site: www.sim2.com

USA:  
SIM2 USA INC.  
10108 USA Today Way  
Miramar, FL 33025  
Tel. +1.954.442.2999  
Telefax +1.954.442.2998  
E-mail: sales@sim2usa.com  
Web site: www.sim2usa.com

UK:  
SIM2 UK LTD  
Steinway House, Worth Farm  
Little Horsted, Nr. Uckfield  
East Sussex TN22 5TT  
Tel. +44.01825.750850  
Telefax +44.01825.750851  
e-mail: info@sim2.co.uk

Germany:  
SIM2 DEUTSCHLAND GmbH  
ArndStr. 34-36  
D-60325 Frankfurt Am Main  
Tel. 0800.8007462 (toll free)  
International tel. +49-163-5007462  
Telefax 0800.9007462  
e-mail: info@sim2.de  
web site: www.sim2.de



Digital Light Processing® and DLP® are registered trademarks of Texas Instruments.

Due to constant product development, specifications and design might be subject to change without notice. C3X 1080 Preliminary - Aug.2007

SIM2 Multimedia is certified  
UNI EN ISO 9001



# C3X 1080: The Next Generation

Preliminary datasheet





#### KEY POINTS

- 3-chip Full HD (1080p) DLP®- based home theater projector
- Patented ALPHAPATH™ light engine with precision glass optics
- New advanced color management calibration software
- 10-bit video processing. (1080p@24fps compatible)
- Comprehensive choice of inputs, including 2 x HDMI
- Choice of three lenses
- Compact cabinet size available in four different color finishes

## Grand Cinema C3X 1080

### Creating the Next Generation

The Grand Cinema™ C3X revolutionized the home theater projection market when it was launched in late 2005, bringing high-end picture quality to the market in a stylish, compact format. Now, for late 2007, SIM2 is about to do it all over again, with the launch of the Grand Cinema™ C3X 1080.

This next-generation home theater projector is totally unique to SIM2 – no other manufacturer has the ability to produce a high performance 3-chip projector with such compact dimensions, which is why SIM2 has taken out five separate patents for this product alone. The Grand Cinema™ C3X 1080 is without doubt a true thoroughbred, offering unprecedented picture quality for the discerning home theater customer.

The Grand Cinema™ C3X 1080 achieves this extraordinary picture quality through the partnership of the latest 0,95" 1080p DC4 DLP® chipset from Texas Instruments and the precision optics of SIM2's ALPHAPATH™ light engine. No other technology can match the superb color depth, excellent contrast ratio (>10.000:1 typical) and exceptional brightness that C3X 1080 delivers.

The C3X 1080 utilizes true 10-bit video processing (with high-definition scaling and de-interlacing capabilities) to create clean, artefact-free video images.

10-bits-per-channel processing produces 1024 shades of gray (or shades of a single color): the result is the ability to render over 1 billion colors on-screen, whilst also making the projector compatible with Full HD 1080p content (including 1080p@24fps).

To aid calibration of the projector, SIM2 introduces a new advanced color management calibration software that enables complete control over the primary, secondary and white point color coordinates. This PC-based software gives calibration experts unprecedented control over the projector image quality. The image can be further optimized by using one of the nine sets of gamma curves available, these can be used to correct for variations in the source material, or differing levels of ambient lighting, or simply to allow for individual viewing preferences.

For ease of installation, a choice of three lens options are available for C3X 1080: T1 (short-throw) 1.3-1.7:1, T2 (long-throw- standard) 1.7-2.6:1, and T3 (long-throw) 2.6-3.5:1 (available Q1 2008), which allows for greater flexibility in the positioning of the projector.



On the connectivity front, the C3X 1080 has an extensive choice of both analogue and digital video inputs, including two HDCP enabled HDMI™ sockets - ensuring full compatibility with 1080p HDTV and the vast array of today's video sources.

The Grand Cinema™ C3X 1080 is performance and elegance personified - a true Italian masterpiece. Available in high-gloss Gun Metal (Standard), additional colors available on request.