

Preliminary datasheet

SIM2 Grand Cinema™
C3X LUMIS 3D



 Due to constant product development, specifications and design might be subject to change without notice. C3X LUMIS 3D - WORLD - Sept. 2009

THE GLAMOUR OF TECHNOLOGY



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Introducing Grand Cinema™ C3X LUMIS 3D Projector System

The new SIM2 Grand Cinema™ C3X LUMIS 3D kit includes a set of two latest 3-chip DLP projectors capable of delivering up to 9000 lumens to a standard screen which can be easily used for 3D stereo visualization when required.

Both projectors come fitted with internal Infitec filters configurable for either 2D or 3D images at Full HD resolution (1080p).

Key Points

- Two 3-chip Full HD (1080p) DLP®- based projectors
- High Brightness efficiency and native high contrast ratio (3-chip DLP)
- High light efficiency with custom optics and optimized lamps
- Infitec Technology 3D stereo visualization
- High Bit rate video processing (10 Bit per color)
- EasyCinema Software for accurate colorimetry calibration and projectors management
- Greater freedom for colorist & director through: P7 color gamut adjustments compatible with REC709
- Choice of 3 zoom lenses with vertical shift.
- Robust stackable system
- Passive 3D Glasses



A plethora of Benefits



Based on award winning new SIM2 Grand Cinema™ C3X LUMIS 3-chip 1080 projector

this solution provides a plethora of astounding benefits, such as:

- **MORE BRIGHTNESS:** 3-chip DLP projectors has an higher light efficiency with 3D pictures!
- **BETTER PICTURES:** 3-chip DLP projectors features better 2D Full HD images thanks to SIM2 videoprocessing!
- **HIGHER RELIABILITY:** redundancy and intensive usage guaranteed in 2D projection thanks to the 2 projection units employed!
- **EASY REMOTE MANAGEMENT:** installation, calibration and remote unit management is now extremely simple due to SIM2 EASYCinema software!
- **HIGHER EFFICENCY and LONGER LAMPLIFE:**

instead of Xenon lamps SIM2 system features more affordable and reliable UHP lamps!

- **3D WITHOUT SILVER SCREENS or HOT SPOTS:** no screen replacement is required with INFITEC technology.
- **MORE FLEXIBILITY IN CONNECTION & SOURCES:** the system does not need too much higher frequencies (over 120hz) allowing the visualization of frequencies preferred by professionals such as 23,98 or 24,48hz.
- **EASY USE AND MORE RELAXING PICTURES:** thanks to streamlined videomanaging that does not need any pre-processing to eliminate annoying "ghosting" effects.
- **COST EFFECTIVENESS and EASY MAINTENANCE:** due to affordable and clean passive glasses with glass lenses.



3D Stereo Visualization Technology



Infitec Wavelength Multiplex Imaging is a passive 3D stereo visualization technology adopted successfully for professional digital cinema and simulations applications. Coupled with SIM2 projection technologies it results in one of the most advanced, reliable and outperforming solution.

Infitec also means that stereo separation is independent from viewing angles allowing different home and professional applications such as moving simulators or immersive environments where standard polarised 3d technologies are not viable.

Apart from professional use of 3D stereoscopic technology such as medical imaging, VR simulators and dangerous environment exploration 3D is now becoming widely adopted in consumer and large venue market for educational and entertainment purposes.

Technical Specifications

LIGHT ENGINE

DLP® Type: 3 Chip 0,95 1080p DC4

Resolution: 1920x1080 pixels

Lens: choice of 3 lenses with motorized zoom and focus adj.

System Brightness: >9000lm

Lamps power consumption and lifespan: 280W >2.000 hrs.*

average life time, >3000 hrs ECO MODE

Contrast ratio: >3000:1 "full on full off"



INSTALLATION

Throw ratio: 1,75-2,48:1 (standard lens - type T2) or 1,37-1,66:1 (type T1 – on request) or 2,54-3,9:1 (type T3 - on request)

Lens shift: half up picture = 50% total (standard lens)

Digital keystone adjustment

Picture size: up to 8m (26,5ft)

Aspect ratio: 4:3, 16:9 Anamorphic, LetterBox, panoramic, pixel to pixel + 3 custom-user adjustments

ELECTRONICS

Horizontal & vertical 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) and Progressive (720p & 1080p @ 24/25 Hz; 576p, 720p & 1080p @50 Hz; 480p 720p & 1080p @ 60 Hz; 720p & 1080p @23,98Hz; 720p & 1080p @29,97Hz)

Video delay: max processing delay 4 frames

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

1 x 12V 100mA jack for anamorphic lens driving



GENERAL SPECIFICATIONS

Software control: upgradable via RS232 serial interface USB & LAN

Mains voltage range: 100-240Vac ±10% (48/62Hz)

Power consumption: approx. 800W

Weight: approx. 26 Kg. (56 lbs) +

Dimensions (WxHxD): stacking system approx. 81cm x 63cm x 83cm (32" x 25" x 33") [projectors 435x190x430 mm (17.2"x7.5"x16.9")]

SUPPLIED ACCESSORIES

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

* Lamp life: the hours quoted have been measured in a lab under ideal test conditions. Lamp life varies depending on usage conditions and the surrounding environment. This is an average value that cannot be guaranteed and is not protected by warranty.