SIM2 *Grand Cinema*™ HT5000E

3-chip 1080p home theater projector

THE GLAMOUR OF TECHNOLOGY

Due to constant product development, specifications and design might be subject to change without notice. GRAND CINEMA HT5000E leaflet - World - December 2008

SIM2 Grand Cinema™ HT5000E

The ultimate in cinema 3-chip 1080p projection

Key points

- 3x 0,95" 1080p DLP® DarkChip4™ by Texas Instruments
- 1920 x 1080 pixels HDTV resolution
- Contrast ratio >6000:1
- Lamp: 300W
- Choice of 6 lenses
- SIM2 Live Color Calibration software
- 6 HDMI™ HDCP inputs (vers. 1.3 with DeepColor)
- SDI professional input
- Ethernet connection (IP addressable)
- Vertical and horizontal motorized lens shift
- 10-bit video processing

SIM2 has been involved in making high definition projectors since the introduction of the original analog HDMAC format called EUREKA 95 in 1990. The latest HDTV format 1080p is available from a variety of sources and offers the highest quality picture resolution, but also places great demands on a display device to reproduce this extraordinary picture resolution as accurately as possible.   SIM2's new Grand Cinema™ HT5000E is an ultra-high end digital projector that delivers picture detail that has to be seen to be believed. The Grand Cinema HT5000E uses the very latest DLP® chipsets from Texas Instruments to create the last word in picture quality from HDTV sources. Three 0.95" DarkChip4™ DMDs are utilized in this design to generate a picture resolution of 1920 x 1080 pixels (1080p) and a superior contrast ratio of >6,000:1, to create crystal-clear, uncompressed HDTV images. The finest quality precision glass optics are used throughout the light engine of the Grand Cinema™ HT5000E,

the clarity, color-uniformity and edge-to-edge focus capabilities of these specialized optical components are vital to the process of producing the breathtaking clarity of on-screen images.   SIM2 offers six high quality lens options for the HT5000E, ranging from short-throw wide-angle (0.67:1) through to long-throw (4.16-6.96:1). Motorized zoom, focus, and lens shift (vertical and horizontal) complete the package. As befits an ultra-high end projector, HT5000E is equipped with SIM2's Live Color Calibration software, a PC-based calibration system, featuring full seven-point adjustment of Primary, Secondary and White Point, enables pin-point accurate calibration of the projector in any home theater or professional system. The Grand Cinema™ HT5000E can be connected to a wide selection of video sources via its comprehensive input panel: six pure digital HDCP-HDMI inputs, an array of analog inputs, and professional format digital SDI input.   A dedicated 10/100 Mbit Ethernet connector is fitted as standard, allowing the HT5000E to be connected to a LAN network or to the internet. This network connection can be used to remotely control the projector using TCP/IP commands or to feedback projector operating status information.

LIGHT ENGINE

DLP® type: 3 x DMD 0.95" 1080p DarkChip4™

Resolution: 1920 x 1080 pixels

Lens: High quality, high resolution optics with both motorized zoom and focus adjustments and motorized horizontal/vertical shift

Lamp power & average life time: 300W (dimmable to 250W), 1500 hours* normal mode or 2000 hours* eco mode

LENS OPTIONS

Lens Type L0: Throw ratio 0.67:1 (Fixed wide angle)

Lens Type L1: Throw ratio 1.12:1 (Fixed wide angle)

Lens type L2: Throw ratio 1.39 - 1.87:1

Lens type L3: Throw ratio 1.87 - 2.56:1

Lens type L4: Throw ratio 2.56 - 4.16:1

Lens type L5: Throw ratio 4.16 - 6.96:1

INSTALLATION

Lens shift: V+70% / -30%; H +/-15% - not available on lenses type L0 and L1

Digital keystone adjustment: V+/-22°

Picture size (inches diagonal): 50-300

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

ELECTRONICS

Horiz. & vertical scan freq.: 15-80kHz/48-100Hz; 24 Hz (1080p only)

Video and Graphic standards: PAL (B,G,H,I,M,N,60); SECAM; NTSC 3,58; NTSC 4,43 automatically selected; HDTV: ATSC (480p, 720p, 1080i, 1080p); EU 576p + 1080i 50Hz + 1080@24Hz; PC graphic: VGA, SVGA, XGA, SXGA, UXGA

Contrast ratio (Full ON/ Full OFF): >6000:1

Format Board: 10 Bit - Video processor: built in

Special adjustments: Dynamic Noise & Spatial Noise Reduction

INPUTS/OUTPUTS

1 x Composite Video (RCA)

1 x S-Video (mini Din 4 pin)

1 x RGBS/YCrCb (4x RCA)

1 x RGBHV/YCrCb (5x BNC)

6 x HDMI – HDCP compliant (6x HDMI)

1 x DVI (1x DVI-D)

1 x HD-SDI (1x BNC)

2 x VGA (DB15)

2 x OUT 12V 100mA (via Jack)

Controls: 1 x RS232 (DB9)
             1 x USB connector (USB)
             1 x LAN (RJ45)

GENERAL SPECIFICATIONS

Software control: upgradable via RS232 serial interface, USB and LAN

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

Power consumption: approx. 400W

Weight: approx. 45 Kg (99.2 lbs)

Dimensions (WxHxD): 570x260x730mm (22.4"x10.24"x28.7")

SUPPLIED ACCESSORIES

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

OPTIONAL ACCESSORIES

Projector ceiling bracket; Anamorphic lens systems (fixed or motorized)

(1) 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.