

# Introducing The New Grand Cinema™ TEATRO 80 projector



“I have owned many projectors in my life:  
SIM2 is now in both my home and my studios.”

*Francis Ford Coppola*



## KEY POINTS

- 3x 0,95" 1080p DLP® DarkChip4™ by Texas Instrument
- 1920 x 1080 pixels HDTV resolution
- Contrast ratio 7000:1
- Brightness: 4500 Lumens
- Lamp: 2 x 300W
- Choice of 6 lenses
- SIM2 EasyCinema 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. Among the pioneers "made SIM2" there were the multi-award winning TEATRO Line CRT projectors. SIM2 has decided to relaunch this popular and milestone line with unique high-tech products designed specifically for Home Theater applications. The new TEATRO 80 projector is the first 1080p model of this ultra high-end, highest brightness digital projector series engineered to deliver picture details that have to be seen to be believed. The TEATRO 80 uses the very latest DLP® chipsets from Texas Instruments to create the highest 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). The TEATRO 80 is equipped with a renewed optical system that coupled with SIM2's dual-lamp system, delivers a superior contrast ratio of over 7,000:1 and a brightness of 4500 Ansi Lumens for crystal-clear, uncompressed HDTV images. The finest quality precision glass optics are used throughout the light engine of the TEATRO 80; 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 Super High Contrast (SHC) lens options for the TEATRO 80, ranging from fixed 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, TEATRO 80 is equipped with the Professional SIM2's EasyCinema software, a PC-based calibration system, featuring full seven-point adjustment of Primary, Secondary and White Point and full projector setup controls, allowing pin-point accurate calibration of the projector in any home theater or professional system. The TEATRO 80 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 TEATRO 80 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.

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## Technical Specifications

### 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 (dimmbable 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

#### Notes:

Super High-Contrast (SHC) lenses available for 0.67:1, 1.12:1 and all zoom lenses

Super High-Brightness (SHB) lenses (all TRs) available upon request.

With SHB lenses the optical performance changes:

Brightness: 7800 Lumens

Contrast ratio 2500:1

### 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. 700W

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; EasyCinema 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.

*Due to constant product development, specifications and design might be subject to change without notice. TEATRO80 - Sept. 2010*



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