

PRO5000

Full High Definition projector

Key Features

- 3 x 0,95" 1080p DLP® DarkChip3™ by Texas Instruments
- Resolution 1920x1080 pixels (as per standard Full HD sources)
- High light efficiency with custom optics and optimized lamp (300W)
- High brightness (5000 ANSI lm), high native contrast ratio (typ.3000:1), no dynamic iris or shutter
- Full Digital and professional Inputs: DVI or HDMI™, HD-SDI and Ethernet connection
- New Easy Cinema Software for accurate colorimetry calibration dedicated to Cinema Professionals
- High Bit rate video processing (10 bit per color)
- Horizontal/Vertical shift with memo position for flexible installation
- Choice of 6 lenses: from Wideangle to Tele
- Dust Filters
- Scope and wide formats (customizable)
- Stackable option



The PRO5000 projection system has been designed to meet the requirements of the E-Cinema market, offering a high quality product that meets the increased interest of theatre owners to display alternative contents.

Incorporating the latest generation of 3-chip DLP® technology SIM2's PRO5000 projection system provides images of exceptional brightness, resolution, color depth and a native contrast ratio of 3000:1 for deep blacks and dynamic image, without Iris or lens shutters. In fact, this 3-Chip DLP® is considered the pinnacle of digital projection and it is this technology which forms the basis of the PRO5000. Three 0.95" DarkChip3™ DMDs are utilized in this design to produce a resolution of 1920x1080 pixels (1080p) in order to achieve crystal-clear, uncompressed HD images. With its state-of-the-art proprietary optical engine and for optimum performance, this professional projector uses customized optical components, lenses and prisms. Latest 10-bit per color video processing reproduces images flawlessly

SIM2's Live Color Management offers complete control over color temperature via 36 predefined adjustments corresponding to specific points on the CIE chart that defines color hue and saturation. Plus, the Gamma Correction curves optimize image-based variations in the source material, ambient lighting, and individual preferences.

Installation flexibility is ensured with a wide range of projection lenses. The high quality lenses with high-resolution optics are with both motorized zoom and focus adjustments and motorized horizontal/vertical shift.

Technical features

LIGHT ENGINE

Technology: 3 chip DMD 0,95" 1080p DarkChip3™

Resolution: 1920 x 1080 pixels

Brightness: 5000 ANSI lumen

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

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

Lamp power & lifetime*: 300W (dimnable to 250W),
>2000 hours* eco mode

LENS OPTIONS

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

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

Lens type L2 (optional): Throw ratio 1.39 - 1.87:1

Lens type L3 (optional): Throw ratio 1.87 - 2.56:1

>>> Lens type L4 (standard): Throw ratio 2.56 - 4.16:1

Lens type L5 (optional): Throw ratio 4.16 - 6.96:1

INSTALLATION

Lens shift: V+/-100%; H +/-64%

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

Horizontal & vertical scan freq.: 15-80kHz/48-100Hz

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 24Hz); EU 576p +1080i 50Hz;

- PC graphic: VGA, SVGA, XGA, SXGA, UXGA

Video processor: built in

Special video adjustments: Dynamic Noise Reduction, Spatial Noise Reduction, Skintone Regulation

Other special adjustments: Memories/Overscan, Live Colors Management (LCM) and Gamma Functions

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 OUT Digital Audio (Toslink)

1 x DVI (1x DVI-D)

1 x HD-SDI (1x BNC)

2 x VGA (DB15)

1 x RS232 (DB9)

1 x USB connector (USB)

1 x LAN (RJ45)

2 x OUT 12V 100mA (via Jack)

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 (EU, UK and USA) 2m (6.6 ft); Remote control and batteries

- Optional bracket for the projection through two stackable units



(*) Lamp life: the hours quoted have been measured in a lab under strict test conditions. Lamp life varies depending on usage conditions and the surrounding environment. The measured lamp life cannot be guaranteed and is not protected by warranty. 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. Large Display Solutions - Pro5000 Catalog WORLD - February 2007

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