

Key Features

- Cinema Black Pro (with Advanced Iris Function and Lamp Control)
- Advanced Iris Function and Lamp Control
- High Contrast Ratio of up to 10,000:1 (Advanced Iris Auto Mode ON)
- Lens Shift Function
- All Range Crisp Focus Lens (ARC-F Lens)
- Quiet operation with low fan noise of 23dB



Key Technologies

Advanced Iris Function This function reproduces bright images in bright scenes and deeper blacks in dark scenes by dynamically changing the opening according to the level of input signal. Working with the Micro Lens Array and WB (Wide View) film a 4.5 times improvement in contrast ratio can now be realized over previous models. In the "Auto" mode an awesome contrast ratio of up to 6,000:1 can now be achieved.

Lens Shift Function This function adjusts the picture position both vertically (total shift of 2 picture heights maximum up to maximum down) and horizontally (total shift of 1 picture height maximum left to maximum right) to allow for off center positioning and very flexible installation options. The projector can be mounted above the top of the screen, or below the bottom of the screen, by up to ½ screen height. And it uses the full panel to maintain the best possible resolution and highest possible picture quality.

ARC-F (All Range Crisp Focus) Lens The All Range Crisp Focus Lens delivers an 8% improvement in focus to the center of the screen and a 20% improvement in focus to the corner of the screen.

RCP (Real Color Processing) Real Color Processing allows the user to target specific colors on the picture and fine adjust their color and hue without changing the overall picture's color and hue. For instance, the color of a strawberry can be fine adjusted without impacting the skin tones. Or the blue in a sky can be adjusted without affecting the color of water. And green grass can be adjusted without influencing the other colors in the picture.

Full Digital Processing Sony's Full Digital Processing circuits include a number of processes designed to optimize picture performance of any input source. The 12-Bit Panel Driver achieves excellent gradation reproduction and a high level of detail. The I/P Converter attains a sharp image and superior diagonal line reproduction. It can also process HD I/P conversion resulting in a precise and high density image. A significant improvement in signal to noise ratio is also realized.

ImageDirector2 (Gamma Control Software) ImageDirector2 enables gamma adjustments to the VPL-HS51 via connection to a PC. Adjustments can be seen in real time and personal preferences can be stored in the PC for future use. ImageDirector2 also works in conjunction with the Real Color Processing (RCP) function for precise picture adjustment.



Specifications

General

Operating Temperature: 0 to 35 Degrees C (32 to 95 Degrees F)

Operating Humidity: 35% to 85%

Power Requirements: 100 to 240V, 50/60 Hz

Power Consumption: Max. 260W, Standby 5W

Acceptable Signals: (Computer) RGB:

Horizontal: 19~72kHz

Vertical: 48~92Hz

Maximum Input Signal Resolution: WXGA
(1280 x 768 fV:60Hz)

Color System: NTSC, PAL, SECAM, NTSC 4.43, PAL-M, PAL-N, PAL60

Video

Overscan: Digital: 0% (w/o mask, w/o scan conversion) Analog: 5% (w/o mask, with scan conversion)

Contrast Ratio: 1,200 - 10,000:1 with Auto Iris ON

Inputs and Outputs

VD: Vertical Sync: TTL Level

SYNC/HD: Composite Sync: Composite sync: TTL Level
Horizontal sync: TTL Level

Component/Progressive: G with Sync /Y:

Phono type;

B/Cb/Pb: 1Vp-p /-2dB sync negative, 75 ohm;

R/Cr/Pr: 0.7Vp-p /-2dB positive, 75 ohm,

0.7Vp-p /-2dB positive, 75 ohm,

Video Composite: 1Vp-p /-2dB sync negative, 75 ohm

HDMI: High Definition Multimedia Interface
Digital RGB / YCb(Pb)Cr(Pr)

Y/C Input: Mini DIN 4-pin Y: 1Vp-p /-2dB sync negative C: Burst 0.286Vp-p /-2dB (NTSC), 75 ohm or 0.3Vp-p /-2dB (PAL)

Trigger: Power On: DC 12V, output impedance: 4.7 kilohms.
Power Off: 0V (mini jack)

Service and Warranty Information

Limited Warranty: Product Warranty - 2 Years
Parts and Labor except the lamp. Lamp
Warranty - 90 Days from date of purchase.

Dimensions

Weight: 12.57lbs (5.7kg)

Measurements: 13 3/4" x 5 3/8" x 14 1/8" (348 x 135 x 360mm)

Supplied Accessories

Instruction Manual

Remote Control (RM-PJHS50)

Air Filter (PK-HS10FL)

AA Battery x 2

Optional Accessories

Replacement Lamp (LMP-H130)

Replacement Air Filter (PK-HS10FL)

Suspension Support (PSS-610)

UPC Code: 027242682504

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1. ANSI lumen is a measuring method of the American National Standards Institute IT7.228. Since there is no uniform method of measuring brightness, specifications will vary among manufacturers.

2. Conditions: Lamp Control Low and Advanced Iris ON.

3. Based on Usage.

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