PLV-HD2000

Projects high-resolution images in the 2K x 1K digital format in full resolution – the professional projector

NATIVE 2,048 x 1,080 PANELS
The PLV-HD2000 employs three high-precision LCD panels of native 2,048 x 1,080 resolution. They project the high-resolution images in the 2K x 1K digital cinema format in full resolution. This precise resolution is teamed with a High Contrast System. This is an advanced optical system that achieves a high contrast level to project top-quality images with rich black reproduction, maximizing the excellence of the video signals.

HIGH PERFORMANCE BRIGHTN3ESS
The PLV-HD2000 uses four high-intensity 300-watt UHP lamps to achieve 7,000 lumens of brightness. If a lamp should burn out, a fail-safe design automatically switches the lamp mode without interrupting the projection.

HIGH COLOR PURITY OPTICAL SYSTEM
This advanced system improves the color purity of the three primary colors (red, blue, and green) to deliver an overall color performance that's ideal for digital cinema. To this color purity system, SANYO includes a 36-bit color display capability that reproduces 68,719 million colors to achieve color expression with superb depth and subtleness.

NEWLY DEVELOPED 12-BIT SIGNAL PROCESSING CIRCUIT
SANYO has developed a 12-bit signal processing circuit, providing full 2-3 pulldown compatibility, motion adaptive line interpolation and progressive scanning of 1080i HDTV signals. It helps assure impressive image quality from virtually any source, including HDTV content. In addition to faithfully reproducing HDTV 1080i, the PLV-HD2000 accommodates 1080-24p and 1080-25p signals as well.

MOTOR-DRIVEN LENS SHIFT
Double the brightness. This function allows the user to position the image easily (up/down and left/right) even after the projector is installed. It is especially useful when aligning images from two stacked units.

MULTI-VERSATILE INTERFACE PLATFORM (MVIP) SYSTEM
The PLV-HD2000 has four slots for accommodating interface boards, which allow the user to interchange any of the supplied boards with any desired optional board. RS-232C input and cross-through output terminals are also provided for easy and flexible system configuration.

3LCD

PRESENTATION TECHNOLOGIES

SANYO

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Specifications

Resolution	Real 2K (2048 x 1080)
Brightness	7000 ANSI Lumens (4-lamp mode)
	3500 ANSI Lumens (2-lamp mode)
Uniformity	90% (corner to corner)
LCD Panel System	1.64″ TFT polysilicon type w/micro lens x 3
Number of Pixels	6,635,520 (2,211,840 x 3)
Contrast Ratio	1,000:1 (full/on off)
Projection Lens	Lens Sold Separately
Image Size	Dependent on Lens
Aspect Ratio	17:9
Throw Distance	Dependent on Lens
Zoom/Focus	Dependent on Lens
Throw Ratio	Dependent on Lens
Zoom Ratio	Dependent on Lens
Power Lens Shift	Up/Down Ratio 8:-1 – -1:8 or 10:0 – 0:10
	Left/Right Ratio 3:2 – 2:3
Digital Keystone Correction	No
Projection Lamp	300W UHP x 4
Scanning Frequency	H Sync: 15-120kHz, V Sync: 24-120Hz
Dot Clock	230MHz
Color System	PAL/PAL-M/PAL-N/SECAM/NTSC/NTSC4.43
Computer Compatibility	**Real 2K,** True HD, UXGA, SXGA, XGA, SVGA, VGA, MAC
Voltage	120VAC or 200-240V AC (auto voltage)
BTU Rating	5801
dB Rating	51 dBA
Power Consumption	1700W
Dimensions (WxHxD)	22.9″x9.9″x30.8″
Net Weight	82 lbs.
User Maintenance	Clean air filters, replace lamp assembly
Detachable Input Panels	
Input 1 (Detachable)	Dual SDI Input (HD/SD SDI) / SDI Output
Input 2 (Detachable)	RGBHV & Component (BNC x 5) ● Left and Right Audio (RCA x 2)
Input 3 (Detachable)	Digital Visual Interface (DVI-I w/HDCP) ● Left & Right Audio (RCA x 2)
Input 4 (Detachable)	Open
Fixed Input/Output Panel	Serial in & Serial out (D-Sub 9 x 2) ● USB (type B) ● Wired RC jack (Stereo mini)
Included Accessories	Wireless Remote Control ● AC power cord ● Real Color Manager CD-ROM ● Lens Mount Adapters (POA-LNA02 & POA-LNA01) ● 2 "AA" batteries ● Light Block Sheets Owner's manual
Optional Accessories	**POA-MD16VDI** - 5BNC Board **POA-MD13NET2** - Network Board **POA-MD18DVI** - DVI Board(HDCP) **POA-MD03VD2A** - Video Y/C & S-Video Input Board **POA-LNA02** - Lens Mount Adapter (LNS-W02/M01/S01) **POA-LNA01** - Lens Mount Adapter (for all other lenses) **610 327 4928**– Replacement Lamp **945 086 6402**– Replacement Remote **PLC-CSE14** - Hard Shipping Case
Warranty	Three years parts and labor; 90 days initial lamp; Quick repair program under warranty

Because its products are subject to continuous improvement, SANYO reserves the right to modify product design and specifications without notice and without incurring any obligations.

Lens Specifications

Type	Short Fixed	Short Zoom	On-Axis Short Fixed	Wide Zoom	Wide Zoom	Standard Zoom 1	Standard Zoom 2	Semi-Long Zoom	Long Fixed	Long Zoom	Long Zoom
Part No.	LNS-W01Z	LNS-W02Z	LNS-W03	LNS-W04	LNS-W06	LNS-S02Z	LNS-S03	LNS-M01Z	LNS-T01Z	LNS-T02	LNS-T03
Zoom	No	Yes (power)	No	Yes (power)	Yes (power)	Yes (power)	Yes (power)	Yes (power)	NO	Yes (power)	Yes (power)
Throw Ratio	1.2:1	1.4 – 1.8:1	0.8:1	1.5 – 2.0:1	1.2 – 1.5:1	2.0 – 2.6:1	2.6 – 3.5:1	3.5 – 4.5:1	6.9:1	4.4 – 6.2:1	6.3 – 9.0:1
F Stop	2.5	2.5 – 2.9	2.6	1.7 – 2.3	2.3 – 2.8	2.0 – 2.3	1.7 – 2.6	2.0 – 2.6	2.0	2.0 – 2.9	2.2 – 2.5
Lens Shift	8:1 – 1:8	8:1 – 1:8	1:1	8:1 – 1:8	8:1 – 1:8	10:0 – 0:10	8:1 – 1:8	8:1 – 1:8	8:1 – 1:8	8:1 – 1:8	8:1 – 1:8
Weight	12.6 lbs.	4.9 lbs.	6.8 lbs	6.2 lbs.	6.6 lbs.	4.2 lbs.	8.2 lbs.	4.2 lbs.	8.4 lbs.	6.8 lbs.	16.1 lbs.