PLV-HD100

24P True High Definition Resolution
16:9 Multimedia LCD Projector

24P TRUE HD RESOLUTION PROJECTOR
The PLV-HD100 utilizes three true high definition resolution (1920x1080) LCD panels to reproduce high definition sources as they were meant to be seen. The PLV-HD100 provides 24P capability for film playback situation.

OUTSTANDING CONTRAST RATIO – 1000:1
Through its new high-contrast optical system, utilizing micro lens technology, the PLV-HD100 is able to achieve an outstanding contrast ratio of 1000:1. A micro lens is integrated into each individual pixel on the three LCD panels increasing light efficiency, resulting in significantly brighter images.

5500 ANSI LUMENS
Utilizing four high-output 250 watt UHP lamps as its light source, the PLV-HD100 delivers an incredible 5500 ANSI lumens of brightness.

SUPERIOR COLOR REPRODUCTION
The PLV-HD100 provides superior color purity with SANYO's 6500º K color temperature optical system and superb HDTV image performance through a newly developed 12-bit Progressive Scan integrated circuit. As a result of 30-bit color processing (10bit each for R/G/B), 2-3 pulldown and 1080i to progressive conversion, the reproduction of moving images is highly improved.

CUSTOMIZABLE START-UP LOGO
The PLV-HD100 can capture logo files to display during the projector's countdown sequence at startup.

EFFICIENT LAMP MANAGEMENT SYSTEM
Monitors the status of each lamp and can display status and cumulative hours of use on-screen. When full brightness is not required, two of the lamps may be switched off. Also, if a lamp expires while either four or two lamps are in use, the fail-safe operation feature switches to the matched pair of good lamps.

SANYO

PRESENTATION TECHNOLOGIES

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Specifications

Resolution	True High Definition (1920 x 1080)
Brightness	5500 ANSI Lumens (4-lamp mode)
	2750 ANSI Lumens (2-lamp mode)
Uniformity	90% (corner to corner)
LCD Panel System	1.65″ TFT polysilicon type w/micro lens x 3
Number of Pixels	6,220,800 (2,073,600 x 3)
Contrast Ratio	1,000:1 (Full on/off)
Projection Lens	Lens Sold Separately
Image Size	Dependent on Lens
Aspect Ratio	16:9
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 7:-1 – -1:7 or 8:1 – 1:8 or 1:1
	Left/Right Ratio 3:2 – 2:3
Digital Keystone Correction	No
Projection Lamp	250W UHP x 4
Scanning Frequency	H Sync: 15-120kHz, V Sync: 50-120Hz
Dot Clock	230MHz
Color System	PAL/PAL-M/PAL-N/SECAM/NTSC/NTSC4.43
Computer Compatibility	True HD, UXGA, SXGA, XGA, SVGA, VGA, MAC
Voltage	120-240V AC 50/60 Hz (auto sense/select)
BTU Rating	5118
dB Rating	46.0
Power Consumption	1500W
Dimensions (WxHxD)	22.9″x9.9″x30.8″
Net Weight	84.0 lbs.
User Maintenance	Clean air filters, replace lamp assembly
Detachable Input Panels Input 1 (POA-MD17SDID)	Dual SDI Input (HD/SD SDI) / SDI Output
Input 2 (POA-MD16VD1)	RGBHV & Component (BNC x 5) • Left and Right Audio (RCA x 2) • Control (Min DIN 8-pin)
Input 3 (POA-MD18DVI)	Digital Visual Interface (DVI-I w/HDCP) • Left & Right Audio (RCA x 2) • Control (Min DIN 8-pin)
Input 4	Open
Fixed Input/Output Panel	Serial in & Serial out (D-Sub 9 x 2) • Audio out (RCA x 2) • USB (type B) • Wired RC jack (Stereo mini)
Included Accessories	Wired/Wireless I/R Remote Control with Mouse Pad and Laser Pointer • AC power cord • Wired remote cable • PS/2, Serial, MAC Control cables • Real Color Manager CD-ROM • Lens Mount Adapters (POA-LNA02 & POA-LNA01) • 2 "AA" batteries • Light Block Sheets • Dust cover • Owner's manual
Optional Accessories	**POA-MD08HD** - HD-SDI Input Board **POA-MD13NET2** - Network Board **POA-MD09VD3** - Faroudja™ Input Board **POA-MD04VGA** - D-Sub15 Input Board **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) **6103051130** - Replacement Lamp **PLC-CSE14** - Hard Shipping Case
Warranty	Three years parts and labor; 90 days original 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	Short Zoom	Short Zoom	Standard Zoom 1	Standard Zoom 2	Semi-Long Zoom	Long Fixed	Long Zoom	Long Zoom
Part No.	LNS-W01	LNS-W02	LNS-W03	LNS-W04	LNS-W06	LNS-S02	LNS-S03	LNS-M01	LNS-T01	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	1.35 – 1.8:1	0.8:1	1.5 – 2.0:1	1.1 – 1.5:1	2.0 – 2.6:1	2.6 – 3.5:1	3.5 – 4.5:1	7.0:1	4.6 – 6.0:1	6.2 – 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	7:-1 – -1:7	8:1 – 1:8	8:1 – 1:8	8:1 – 1:8	8:1 – 1:8	8:1 – 1:8
Weight	12.8 lbs.	5.5 lbs.	6.6 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.