

# 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 6500° 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)<br>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 – 1:1 or 8:1 – 1:1<br>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     | Dual SDI Input (HD/SD SDI) / SDI Output                                                                                                                                                                                                                                                                                                                                       |
| Input 1<br>(POA-MD17SDID)   |                                                                                                                                                                                                                                                                                                                                                                               |
| Input 2<br>(POA-MD16VD1)    | RGBHV & Component (BNC x 5) • Left and Right Audio<br>(RCA x 2) • Control (Min DIN 8-pin)                                                                                                                                                                                                                                                                                     |
| Input 3<br>(POA-MD18DVI)    | Digital Visual Interface (DVI-I w/HDCP) • Left & Right<br>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)<br>• USB (type B) • Wired RC jack (Stereo mini)                                                                                                                                                                                                                                                                    |
| Included Accessories        | Wired/Wireless I/R Remote Control with Mouse Pad and<br>Laser Pointer • AC power cord • Wired remote cable<br>• PS/2, Serial, MAC Control cables • Real Color<br>Manager CD-ROM • Lens Mount Adapters (POA-LNA02<br>& POA-LNA01) • 2 "AA" batteries • Light Block Sheets<br>• Dust cover • Owner's manual                                                                     |
| Optional Accessories        | POA-MD08HD - HD-SDI Input Board<br>POA-MD13NET2 - Network Board<br>POA-MD09VD3 - Faroudja™ Input Board<br>POA-MD04VGA - D-Sub15 Input Board<br>POA-MD03VD2A - Video Y/C & S-Video Input Board<br>POA-LNA02 - Lens Mount Adapter (LNS-W02/M01/S01)<br>POA-LNA01 - Lens Mount Adapter (for all other lenses)<br>6103051130 - Replacement Lamp<br>PLC-CSE14 - Hard Shipping Case |
| Warranty                    | Three years parts and labor; 90 days original lamp;<br>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.   |