

S p e c i f i c a t i o n s

PLV-HD2000N

Real 2K High Definition Resolution 17:9
Multimedia LCD Projector



24P/25P TRUE HD RESOLUTION PROJECTOR

The PLV-HD2000N utilizes three true high definition resolution (2048x1080) LCD panels to reproduce high definition sources as they were meant to be seen. The PLV-HD2000N accommodates 1080-24P and 1080-25P signals.

OUTSTANDING CONTRAST RATIO – 1000:1

Through its new high-contrast optical system, utilizing micro lens technology, the PLV-HD2000N 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.

7000 ANSI LUMENS

Utilizing four high-output 300 watt UHP lamps as its light source, the PLV-HD2000N delivers an incredible 7000 ANSI lumens of brightness.

SUPERIOR COLOR REPRODUCTION

The PLV-HD2000N provides superior color purity through a newly developed 12-bit Progressive Scan integrated circuit. As a result of 36-bit color processing display reproduces 68,719 million colors to achieve color expression with superb depth and subtleness.

CUSTOMIZABLE START-UP LOGO

The PLV-HD2000N 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.



PRESENTATION TECHNOLOGIES

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|------------------------------------|--|
| Resolution | Real 2K Definition (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 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 | 300W 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 | 120V AC (50/60 Hz) |
| BTU Rating | N/A |
| dB Rating | 51.0 |
| Power Consumption | 1600W |
| Dimensions (WxHxD) | 22.9"x9.9"x30.8" |
| Net Weight | 81.6 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 Pro CD-ROM • Lens Mount Adapters (POA-LNA02 & POA-LNA01) • 2 "AA" batteries • Light Block Sheets • Dust Cover • Owner's manual |
| Optional Accessories | POA-MD13NET2 - Network Board POA-MD03VD2A - Video Y/C & S-Video Input Board 6103235394 - Replacement Lamp |
| 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.

L e n s S p e c i f i c a t i o n s

| 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. |