PLC-XF46N

XGA Digital Multimedia Projector

* Lens sold separately

WORLD'S FIRST 12,000 ANSI LUMENS LCD PROJECTOR!
Utilizing four high-output 300-watt UHP lamps as its light source, the PLC-XF46N delivers an amazing 12,000 ANSI lumens of brightness. Stacking two projectors in the twin-stack configuration can achieve up to 24,000 ANSI lumens of brightness.

OUTSTANDING CONTRAST RATIO – 1300:1
PLC-XF46N contains a new liquid crystal panel with high-contrast optical system that achieves a contrast ratio as large as 1300:1, exhibiting natural and smooth gradation.

AUTO PICTURE CONTROL
By optimizing the dynamic range of luminance signals and reflecting the gamma settings and offsets, the PLC-XF46N displays the most genuine contrast and sharpness of images according their characteristics. Remarkable depth and outstanding picture quality are results of auto picture control.

VERTICAL/HORIZONTAL EDGE ENHANCEMENT
Images so crisp and smooth that are only made possible by a seamless edge enhancement technique. Enhancing image outlines while minimizing granular noise emphasis, the PLC-XF46N generates sharp and realistic images.

NETWORK CONTROL/ADMINISTRATION
An optional PJ-Net Organizer network board allows for simple control and management of projectors via a CAT5 network connection. The administrator can use a network management software called PJ Master (optional accessory), and be able to centrally control all PJ-Net Organizer-mounted projectors within the network.

24/7* OPERATION
A newly developed liquid crystal panel with an optical compensator that creates linear polarization, together with improved optical block cooling system, gives the PLC-XF46N the capability of being operated on a 24/7* basis.
 * In order to maintain a stable lamp condition, at least one hour of rest for the projector is required in each 24-hour period.
 * For appropriate care and use of the projector, regular cleaning of air filters is necessary. Cleaning is recommended once a week. However, the frequency on which cleaning is required depends upon the installation or operation environments.

SANYO
PRESENTATION TECHNOLOGIES

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Specifications

Resolution	XGA (1024 x 768)
Brightness	12,000 ANSI Lumens (4-lamp mode) 6,000 ANSI Lumens (2-lamp mode)
Uniformity	90% (corner to corner)
LCD Panel System	1.8″ TFT polysilicon type x 3
Number of Pixels	2,359,296 (786,432 x 3)
Contrast Ratio	1300:1 (full on/off)
Projection Lens	Lens Sold Separately
Image Size	Dependent on Lens
Aspect Ratio	4:3
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 10:0 – 0:10 or 8:1 – 1:8 Left/Right Ratio 3:2 – 2:3 or 1:1 (Dependent on Lens)
Digital Keystone Correction	+/- 30° (Vertical)
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	UXGA, SXGA+, SXGA, WXGA, **XGA**, SVGA, VGA, MAC
Voltage	120V AC 16A Max, 50//60 Hz (auto sense/select)
BTU Rating	5797
dB Rating	51.0
Power Consumption	1700W
Dimensions (WxHxD)	22.9″x9.9″x30.8″ (not including Adjustable Feet)
Net Weight	80.5 lbs.
User Maintenance	Clean air filters, replace lamp assembly
Detachable Input Panels POA-MD18DVI	Digital Visual Interface (DVI-I w/HDCP) ● Left & Right Audio (RCA x 2) ● Control (Min DIN 8-pin)
POA-MD16VD1	RGB & Component (5-BNC) ● Left & Right Audio (RCA x 2) ● Control (Min DIN 8-pin)
POA-MD03VD2A	Composite & Y/C (2-BNC) ● S-Video (Mini DIN 4-pin) ● Left & Right Audio (RCA x 2)
POA-MD04VGA	VGA (D-Sub 15) ● Left & Right Audio (RCA x 2) ● Control (Min DIN 8-pin)
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 *AC Power Cord NEMA5-20 (20A/125V)	Wired/Wireless I/R Remote Control ● Two "AA" type batteries ● Owner's manual (CD-ROM & Quick Reference Guide) ● AC power cord* ● VGA Cable ● Wired remote cable ● Real Color Manager Pro CD-ROM ● Lens Mount Adapters (POA-LNA02 & POA-LNA01)
Optional Accessories	**POA-MD08HD** - HD-SDI Input Board **POA-MD13NET** - Network Board **POA-MD15SDI** - SD-SDI Input Board **POA-MD17SDID** - HD-SDI & SD-SDI Input Board **POA-LNA02** - Lens Mount Adapter (for LNS-W02, W02KS, M01, S01 lenses) **POA-LNA01** - Lens Mount Adapter (for all other lenses) **PLCCSE14** - Hard Shipping Case **6103274928** - 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.

Lens Specifications

Type	Short Fixed	Short Zoom	On-Axis Short Fixed	Short Zoom	Short Zoom	Standard Zoom 1	Standard Zoom 2	Standard Zoom 3	Semi-Long Zoom	Long Fixed	Long Zoom	Long Zoom
Part No.	LNS-W01Z	LNS-W02Z	LNS-W03	LNS-W04	LNS-W06	LNS-S01	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)	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	1.2 – 1.5:1	1.8 – 2.9:1	2.0 – 2.6:1	2.6 – 3.5:1	3.5 – 4.6:1	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	2.6 – 3.5	2.0 – 2.3	1.7 – 2.6	2.0 – 2.6	2.0	2.0 – 2.9	2.2 – 2.5
Lens Shift(H)	8:1 – 1:8	8:1 – 1:8	1:1	8:1 – 1:8	8:1 – 1:8	10:0 – 0:10	10:0 – 0:10	8:1 – 1:8	8:1 – 1:8	8:1 – 1:8	8:1 – 1:8	8:1 – 1:8
(V)	3:2 – 2:3	3:2 – 2:3	1:1	1:1	1:1	3:2 – 2:3	3:2 – 2:3	3:2 – 2:3	3:2 – 2:3	3:2 – 2:3	3:2 – 2:3	3:2 – 2:3
Weight	12.8 lbs.	5.5 lbs.	6.6 lbs	6.2 lbs.	6.6 lbs.	3.7 lbs.	4.2 lbs.	8.2 lbs.	4.2 lbs.	8.4 lbs.	6.8 lbs.	16.1 lbs.

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