PLC-XF31N/NL

XGA Digital Multimedia Projector

INCREDIBLY BRIGHT 5200 ANSI LUMENS
A pair of high-output 200 watt UHP lamps delivers an incredible 5200 ANSI lumens of brightness.

OUTSTANDING CONTRAST RATIO — 800:1
Through its new high-contrast optical system the PLC-XF31N/NL is able to achieve an outstanding contrast ratio of 800:1. By employing a 10-bit digital gamma correction circuit , excessive whites in bright images and overwhelming blacks in dark images are effectively suppressed.

SANYO NEW PROGRESSIVE IC
A newly developed progressive integrated circuit provides highly improved playback of moving images. 1080 interlaced signals are converted into progressive signals while 2-3 pulldown doubles the resolution of images from DVD playback.

NETWORK CONTROL/ADMINISTRATION
An optional network board allows for simple control and management of the projector via a CAT5 network connection. The network board, which can memorize and store up to 55 PC modes, can also be used in parallel with RS-232 controllers.

REAL COLOR MANAGER
The Real Color Manager System provides white balance adjustment and gamma correction from a PC using the included image adjustment software by simply comparing the on-screen image to a printed color chart.

NEW ONE-TOUCH LENS REPLACEMENT
Attaching the included One-Touch lens mount adapters to your projector and lenses makes installation and removal of our optional lenses quick and easy.

SANYO

**21605 Plummer Street
Chatsworth, CA 91311
Ph: 818.998.7322 ext. 288
Fax 818.717.2719
www.sanyolcd.com**

PRESENTATION TECHNOLOGIES

**PLC-XF31N/NL
Multi-Versatile
Interface**

**(POA-MD11DVI)
(POA-MD16VD1)
(POA-MD03VD2A)**

Specifications

Resolution	XGA (1024 x 768)
Brightness	5200 ANSI Lumens (two-lamp mode) 2600 ANSI Lumens (1-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	800:1 (full on/off)
Projection Lens	Standard Zoom 2 - F2.0-2.3 (PLC-XF31N only) (Model PLC-XF31NL shipped without lens)
Image Size (diagonal)	40"-600"
Aspect Ratio	4:3
Throw Distance	4.9' – 107.2''
Zoom/Focus	Powered
Throw Ratio	2.0 – 2.6:1
Zoom Ratio	1:1.3
Power Lens Shift	Up/Down Ratio 10:0 – 0:10 or 8:1 – 1:8
Digital Keystone Correction	+ 40 / - 20°
Projection Lamp	200W UHP x 2
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, **XGA**, SVGA, VGA, MAC
Voltage	100-240V AC; 50/60 Hz
BTU Rating	1877
dB Rating	45.0
Power Consumption	550W
Dimensions (WxHxD)	17.3"x9.1"x23.9" (PLC-XF31N) / 23.8" (PLC-XF31NL)
Net Weight	PLC-XF31N – 50.5 lbs. / PLC-XF31NL – 46.3 lbs. (w/o lens)
User Maintenance	Clean air filters, replace lamp assembly
Detachable Input Panels POA-MD11DVI	Digital Visual Interface (DVI-I) • Left & Right Audio (RCA x 2) • Control (Min DIN 8-pin)
POA-MD16VD1	RGB & Component (BNC x 5) • Left & Right Audio (RCA x 2) • Control (Min DIN 8-pin)
POA-MD03VD2A	Composite & Y/C (BNC x 2) • S-Video • Left & Right Audio (RCA x 2)
Fixed Input/Output Panel	Serial in & Serial out (D-Sub 9 x 2) • Audio out (RCA x 2) • USB • Wired RC jack (Stereo mini)
Included Accessories	Wired/Wireless I/R Remote Control w/Mouse Pad and Laser Pointer • AC power cord • VGA and DVI Cable • Wired remote cable • PS/2, Serial, MAC Mouse Control Cables • MAC/VGA and DVI/VGA Adapter • Lens cover (XF31N only) • Lens Mount Adapters (POA-LNA01 & POA-LNA02)• Dust cover • Light Block Sheets • Owner's manual • Real Color Manager CD-ROM
Optional Accessories	**POA-MD03VD2A** – Y/C & S-Video Board **POA-MD04VGA** – D-Sub15 VGA Board **POA-MD08HD** - HD-SDI Input Panel **POA-MD09VD3** – Faroudja™ Input Panel **POA-MD11DVI** – DVI Board **POA-MD13NET** – Network Board **POA-MD16VD1** – 5-BNC RGBHV Board **POA-LNA02 -** Lens Mount Adapter (for LNS-W02, W02KS, M01, S01 lenses) **POA-LNA01 -** Lens Mount Adapter (for all other lenses) **PLC-CSE16** - ATA Hard Shipping Case **POA-LLB02** - Lamp and Ballast Kit for100W UHP lamps
Warranty	Three years parts and labor; 90 days 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	Standard Zoom 1	Standard Zoom 2	Standard Zoom 3	Semi-Long Zoom	Long Fixed	Long Zoom
Part No.	LNS-W01	LNS-W02	LNS-W03	LNS-S01	LNS-S02	LNS-S03	LNS-M01	LNS-T01	LNS-T02
Zoom	No	Yes (power)	No	Yes (power)	Yes (power)	Yes (power)	Yes (power)	NO	Yes (power)
Throw Ratio	1.2:1	1.35 — 1.8:1	0.8:1	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
F Stop	2.5	2.5 — 2.9	2.6	2.6 — 3.5	2.0 — 2.3	1.7 — 2.6	2.0 — 2.6	2.0	2.0 — 2.9
Lens Shift	8:1 — 1:8	8:1- 1:8	1:1	10:0 — 0:10	10:0 — 0:10	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	3.7 lbs.	4.2 lbs.	8.2 lbs.	4.2 lbs.	8.4 lbs.	6.8 lbs.