

SANYO

Multimedia LCD Projector

PLC-XF46N/ E

Ultra Power for Ultralarge-Screen Projection



Ideal for large halls and outdoor events

The industry's highest brightness of 12,000 lumens*

* The industry's highest brightness for transmissive LCD projectors, as of May 12, 2006. (According to a Sanyo survey.)



PLC-XF46N/E

Professional Performance

Outstanding 12,000 Lumens of Brightness*

Utilizing four high-output 300-watt UHP lamps as its light source, the PLC-XF46N/E delivers an amazing 12,000 lumens of brightness. This enables it to provide ultralarge-screen projection at large conferences and major events.

*The industry's highest brightness for transmissive LCD projectors, as of May 12, 2006. (According to a Sanyo survey.)

High Contrast Ratio of 1,300:1

With its new high-contrast optical system, the PLC-XF46N/E is able to achieve an outstanding contrast ratio of 1,300:1.

New Progressive Scan IC

A newly developed progressive integrated circuit provides highly improved playback of moving images. This enables full compatibility with 2-3 pull-down and 1080i HDTV signals.

Hybrid Crosstalk Canceller

To eliminate ghosting in images, the canceller reduces signal interference between the drive circuits on the LCD panels and between driven pixels.

Intelligent Sharpness Control

This function automatically analyzes the signal components to select the best sharpness setting. It operates on both RGB and video inputs and delivers clearer, sharper images.



Professional Reliability

Long-Life Optical Components

Newly developed LCD panels and optical compensators, and an improved cooling system have extended the life of the optical components and increased overall reliability.

Fail-Safe Design

If one lamp is accidentally turned off when used in the high-brightness mode, the system automatically switches over to the economy mode. This fail-safe function* prevents a presentation from being interrupted.

* This function also performs in the economy mode (two-lamp mode) switching to a one-lamp mode, but color and brightness correction is not performed. A switchover to the one-lamp mode only occurs if an emergency should arise.

Professional Flexibility

Abundant Optional Lenses

A wide variety of user-replaceable lenses, from short-fixed to long zoom types, are optionally available.



Multi-Versatile Interface Platform (MVIP) System

The PLC-XF46N/E's interface slot accommodates a wide range of interface boards, which allows the user to select the best solution for the desired application.

Motor-Driven Lens Shift

This function allows the user to position the image easily (up/down and left/right) even after the projector is installed. It is especially useful when aligning images from two stacked units.

Real Color Manager Pro

This makes it easier to adjust the white balance and gamma curve adjustments to attain faithful color reproduction in almost any projection environment. The settings can be stored on a PC for later recall.

Other Features

- High-luminance/economy mode selection
- 3D automatic uniformity correction control (AUCC)
- Digital keystone correction
- On Start: Allows quick projection simply by switching the system on
- Power management function automatically turns the power off when no signals enter
- Retractable carrying bar
- Adjustable leg system with a pop-up handle and shuttle dials
- Many presentation support functions, including freeze and No Show
- Rear and suspended projection capability
- Wireless/wired mouse remote control
- RS-232C self-diagnostic function

Specifications

Model number	PLC-XF46N/E
LCD panels	1.8-inch TFT p-Si x 3
Aspect ratio	4:3
Number of pixels	786,432 (1,024 x 768) x 3, Total: 2,359,296 pixels
Lens	Option
Lamp	300 W UHP lamp x 4
Screen size	40 - 600 *1
Color reproduction	Full color (16.77 million colors)
Brightness*2*3	12,000 lm
Uniformity*2	90%
Contrast*2	1,300:1 (full on/full off)*4
Resolution	
RGB	1,024 x 768 dots
Terminals	
Input 1	Video: Video DVI-I x 1 (HDCP compatible*5)
Input 2	Video: BNC x 5 (RGBHV, Y-Pb/Cb-Cr/Cr)
Input 3	Video: Video BNC x 2 (Video, Y-C)
Input 4	Video: Mini D-sub 15pin x 1
Control ports	Serial In x 1, Serial Out x 1, Service (USB type B) x 1, Wired remote x 1
Color systems	PAL/ SECAM/ NTSC/ NTSC 4.43/ PAL-M/ PAL-N
Scanning frequency	H sync: 15-120 kHz, V sync: 50-120 Hz, Dot clock: 230 MHz
Power source	XF46N: 120V AC 50/60Hz*6 XF46E: 200-240V AC 50/60Hz
Power consumption	1,700 W (20 W in standby mode)
Dimensions (W x H x D)	581 x 252 x 783 mm*7
Weight	36.5 kg

*1 Screen size varies according to a mounted lens

*2 Average values at shipment are shown, in accordance with the JIS X 6911:2003 specification format for data projectors. Measurement methods and conditions are based on Appendix 2 of the standard.

*3 With the LNS-S03, in 4-lamp mode

*4 With auto lamp control on

*5 Projector may not display video from DVI input if the HDCP standard is changed.

*6 Plug : NEMA 5-20P, 20A, 125VAC.

*7 Protrusions not included.

Options

- **DVI board** POA-MD11DVI/ POA-MD18DVI
- **5BNC board** POA-MD16VD1
- **Video/Y/C board** POA-MD03VD2A
- **Dual-SDI board** POA-MD17SDID
- **Mini D-Sub 15 board** POA-MD04VGA
- **PJ Net Organizer board** POA-MD13NET2/POA-MD13NET
- **Warp & Blending board** POA-MD21WARP*

*Requires upgrade. (Contact the store where the projector was purchased for more information.)

- **DVI to Mini D-Sub 15 cable** POA-CA-DVIVGA
- **Mini D-Sub 15 extension cable** KA-MC-DB10*

*Use with included or other commercially available Mini D-Sub 15 cable. Some models require the Mini D-Sub 15 board to allow connection of this cable.

- **Remote control cable** POA-CA-RC30
- **Optional Lenses** LNS-W01Z/ LNS-W02Z/ LNS-W03/ LNS-W04/ LNS-W06/ LNS-S02Z/ LNS-S03/ LNS-M01/ LNS-T01/ LNS-T02/ LNS-T03



Pixelworks ICs are used in this projector

Caution: Please consult the instruction manual to ensure safe and proper operation of the product.

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