TRUE SXGA DIGITAL 3000 ANSI LUMENS

SANYO

Digital, True-SXGA Brilliance for Workstation and Large Venue Applications

3000 ANSI LUMENS

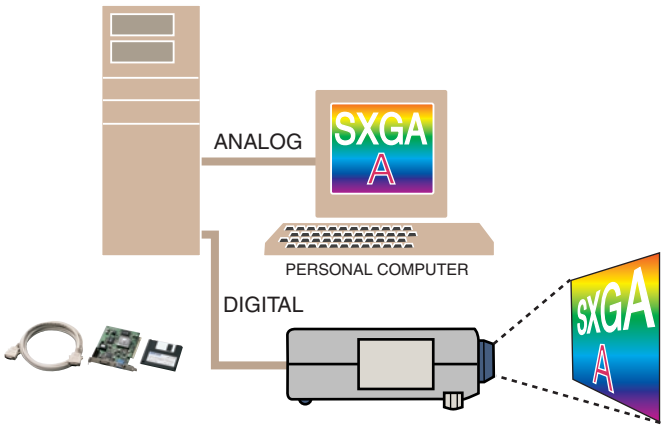
PLC-EF10NA

Advanced Digital Technology With True High-Performance

The amazing new PLC-EF10NA from SANYO employs state-of-the-art digital technology throughout its construction, including the world's first digital PC interface for an LCD projector. 100% digital signal transferring and processing ensures the clearest, most accurate images possible.

Digital PC Interface:

- **Digital graphics accelerator board (PCI) included for desktop PC**
- **No loss in data quality when signal is sent from computer to projector**
- **No ghosting or noise introduced to images**
- **Eliminates the need for total dot, fine synchronization, and positioning adjustments**
- **Allows longer cable runs without signal loss**
- **Assures superb, problem-free picture clarity**
- **9-foot, MDR 20-pin digital transfer cable included**



I/O Connection Panel

Digital Signal Processing

- Digital gamma correction ensures high-color accuracy
- Automatic color-correction circuit

Digital Progressive Scanning

- Incorporates proprietary SANYO ASIC digital progressive scan circuit
- Doubles the vertical resolution of the picture
- Extracts near high-definition image quality from a standard signal

Optional Graphic Accelerator PC-Card for Laptop PC (POA-CBUS01)

Exceptional Picture Uniformity

- Proprietary SANYO Automatic Uniformity Correction Controller Circuit dramatically increases the color and brightness uniformity to over 85%

True SXGA Resolution

- For a wide-range of applications, including workstations, conference rooms, training, education, boardrooms, demonstration and point-of-sale applications, multimedia and graphic applications

Digital Realized Interpolation Technology (DRIT)

This SANYO revolutionary, proprietary technology digitally and mathematically interpolates an image's pixels, then reconstructs the image by either compressing or expanding it. The principal result of DRIT in the PLC-EF10NA is the elegant compression of a virtually true UXGA or EWS image displayed as SXGA. DRIT is, by far, the most effective compression method available.

Conversely, DRIT also performs digital expansion, allowing a SVGA or XGA image to be expanded to a visually accurate SXGA image.

Digital Zoom

The unit's handy 16x digital zoom feature magnifies specific sections of an image, making presentations bigger and clearer than ever. Unique SANYO technology eliminates jagged edges on small letters and lines so that even highly magnified images appear crisp and clear.

THE BRIGHTEST, MOST ADVANCED, MOST VERSATILE, AND MOST USER FRIENDLY TRUE-SXGA LCD PROJECTOR IN ITS CLASS!

The SANYO PLC-EF10NA offers an incomparable 3000 ANSI Lumens-the brightest LCD projector available in its class. With its twin stacking capability (one model on top of another), it can project a combined total of nearly 6000 ANSI Lumens.

Not only is it bright, but it also boasts one of the best uniformity rates in the industry-greater than 85%. Brightness and picture clarity aren't limited to the center of the screen, but are spread evenly across the entire image area.

Incredible brightness and uniformity make the SANYO PLC-EF10NA among the best LCD projectors available for workstation and large-venue applications.

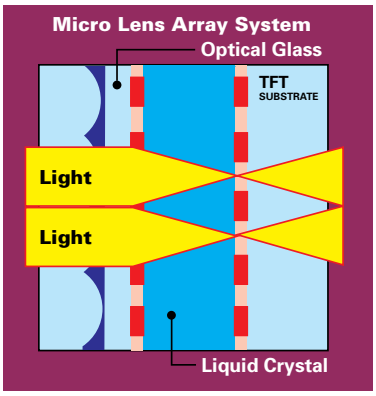
PLUG-AND-PLAY CONVENIENCE

Operating the PLC-EF10NA is as simple as making the connections, turning on the source, and beginning the presentation. Its auto-lock frequency synchronization allows it to accept most UXGA and electronic workstation (EWS) frequencies. Its auto-set feature automatically sets the fine synchronization, total dot adjustment, and positioning.

With its graphic user interface (GUI) on-screen menus, the SANYO PLC-EF10NA is the easiest, most user-friendly true-SXGA LCD projector in its class to set up and run.

WORKSTATION CAPABILITY

Besides being an ideal source for large-venue projection, the PLC-EF10NA is also one of the best LCD projectors for workstation environments-medical, education, training, CADCAM, architectural, automotive, aerospace, or any other drawing-intense discipline. It is compatible with most of the leading workstation units such as HP, SUN, IBM, and Silicon Graphics.



Micro Lens Technology

Every individual pixel on each of the three LCD panels has a micro lens integrated into it to increase overall light concentrating efficiency. This allows more projection-lamp light through the LCD panels, resulting in significantly brighter images.

VERSATILITY

The PLC-EF10NA can be used in a variety of applications. With its 1:1.3 zoom ratio, an image of 30" (diagonal) can be projected from a distance of just 4.9 feet from the screen. At the maximum throw distance of 106 feet, a 600" (diagonal) image can be displayed.

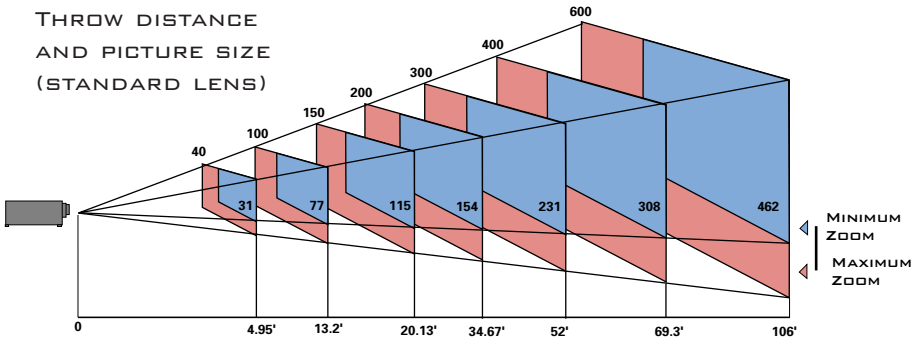
To add to the PLC-EF10NA's versatility, optional lenses are also available, including a short-range fixed lens, a semi-long zoom lens, a long-range fixed lens, and a wide-angle zoom lens.

Quick Repair Program (QRP)

In the unlikely event that this SANYO projector ever needs warranty service, SANYO's QRP provides a fast 24-to-72-hour turnaround time for repairs. SANYO even pays for freight.

When twin stacked, the power lens shift (10° up or down) is the easiest way to align images and provides virtually no geometric distortion.

THROW DISTANCE AND PICTURE SIZE (STANDARD LENS)



STANDARD LENS THROW DISTANCE AND PICTURE SIZE

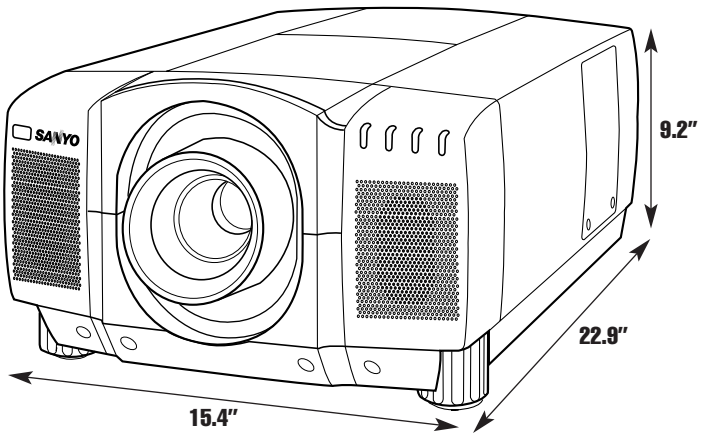
Max. Zoom (inches)	40	100	150	200	300	400	600
Min. Zoom (inches)	31	77	115	154	231	308	462
Throw Dist. (feet)	4.9'	13.2'	20.13'	34.67'	52'	69.3'	106'

PLC-EF10NA

SXGA Multimedia Projector

- World's First Digital PC Interface for an LCD Projector; PanelLink™ Technology for a True Digital Connection
- Digital Signal Processing for Enhanced Image Detail
- Digital Progressive Scanning for Improved Video Performance
- True SXGA (1280 x 1024)/ Compressed UXGA Resolution
- Power Lens Shift with Minimal Geometric Distortion for 10° Up/Down Image Alignment
- Greater Than 85% Uniformity with a Contrast Ratio Greater Than 350:1—Both Among Industry Best
- Revolutionary Polarized Beam Splitter (PBS) Optical System
- Plug-and-Play Convenience for Easy Operation
- Easy-to-Use Graphic User Interface (GUI) On-Screen Menus
- Micro Lens Technology
- Revolutionary Digital Realized Interpolation Technology (DRIT) for Elegant Compression and Expansion
- Digital Manipulation Panning
- HDTV Compatible
- Optional Digital Graphics Accelerator PC-Card

Also Available:
PLC-EF10NAL: Same features as PLC-EF10NA except purchaser can select from optional lenses. (Lenses shipped separately for model PLC-EF10NAL).



SANYO

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

IN CANADA
300 Applewood Crescent
Concord, Ontario
Canada L4K 5C7
Ph: 905.760.9944

SPECIFICATIONS

Type	SXGA (1280 x 1024) Multimedia
Brightness	3000 ANSI Lumens Nearly 6000 ANSI Lumens when
Uniformity	Over 85% (Corner to Corner)
LCD Panel System	1.8" TFT Polysilicon Type x3
Number of Pixels	3,932,160 (1,310,720 x 3)
Contrast Ratio	Greater Than 350:1
Projection Image	30" to 600" (Diagonal)
Aspect Ratio	5:4 and 4:3 Normal; 16:9 Wide Screen
Throw Distance	4.9' to 106'
Zoom/Focus	Powered; 1:1.3 Zoom
Keystone Ratio (U/D)	1:1
Power Lens Shift	10° up/10° down
Projection System	Polarized Beam Splitter with Integrator Lens
Projection Lens	f3.0"-3.8", F2.0-2.3 Throw Ratio 2.0-to-2.6:1
Projection Lamp	400W DC Metal Halide
Scanning Frequency	H Sync: 15-120kHz V Sync: 50-100Hz
Dot Clock	202MHz
Over Scan (Video Mode)	3% H; 3% V
Color System	PAL/PAL-M/PAL-N/SECAM/NTSC/NTSC4.43
Computer Compatibility	Compressed UXGA, SXGA, XGA, SVGA, VGA,MAC, PC98
Sound Output	Two-Piece, Three-Watt Stereo
Voltage	100/240AC;50/60Hz with Auto Select, Auto Sense
Power Consumption	650W
Net Weight	39.2 lbs.
Dimensions (WxHxD)	15.4" x 9.2" x 22.9"
Warranty/Lamp	Three Years Parts and Labor; 90 Days Lamp; Quick Repair Program Under Warranty
Standard Accessories	Wireless I/R Remote with Mouse Pad and Laser Pointer; Wired Remote Control; Wired Remote Cable; VGA and Digital Graphics Accelerator Board and Software; 9 Ft Digital Cable; AC Power Supply Cord; VGA Computer Cable; VGA-MAC and VGA-PC98 Adapter; Dust Cover; Lens Cap; Owner's Manual
Optional Accessories	Digital Graphic Accelerator PC-Card; Short-Range Lens with Fixed Focal Length; Semi-Long Zoom Lens; Long-Range Lens with Fixed Focal Length; Wide-Angle Zoom Lens

Optional Lens Specifications

	Short	Semi-Long	Long	Wide Zoom
Part No.	LNS-W01	LNS-M01	LNS-T01	LNS-W02KS
Zoom	No	Yes	No	Yes
Lens Shift	8:1	8:1	8:1	8:1
Throw Ratio	1.2:1	3.5 to 4.6:1	7.0:1	1.35 to 1.8:1
F Stop	2.5	2.0 to 2.6	2.0	2.53 to 2.95
Length	9.4"	6.9"	8.6"	8.3"
Weight	12.3 lbs.	4.2 lbs.	8.8 lbs.	5.5 lbs.

Because its products are subject to continuous improvement, SANYO reserves the right to modify product design andspecifications without notice and without incurring any obligations.
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