

SANYO

**Ultra Portable
Multimedia
LCD Projector**

1.5x Zoom Lens

PLC-XU55

PLC-XU50

PLC-XL20

PLC-SU50

PLC-SL20

1.2x Zoom Lens

PLC-SU50S

Pictures Speak Louder than Words



THE HIGH-IMPACT PROJECTOR

High-Resolution LCD Brightens up any Presentation

Separate RGB Panels for Faithful Color Reproduction

These projectors employ three 0.79-inch polysilicon Thin Film Transistor (TFT) LCDs with XGA real projection at 1,024 dots x 768 lines, for an impressive total of 2,359,296 pixels. Light from the lamp is divided into the three primary colors, RGB, which are projected onto separate panels and then combined to create images with high color fidelity.

N.B. The PLC-SU50, PLC-SU50S and PLC-SL20 use SVGA real projection at 800 dots x 600 lines for a total of 1,440,000 pixels.

Whole-Screen Image Clarity Even When the Lights Are on

The 200W UHP lamp makes for an exceptionally bright light source and allows for well-balanced color. Together with the 0.79-inch TFT polysilicon liquid crystal panel and its built-in microlens^{*1}, they achieve a brightness level of 2500 lm^{*2} – unusually high for a mobile projector.



^{*1} PLC-XU55 only.

^{*2} 2000 lm for the PLC-XU50, PLC-SU50, and PLC-SU50S; 1700 lm for the PLC-XL20, PLC-SL20.

Progressive Scan Ensures High-Resolution Video Images

A progressive scan IC ensures superb, high-resolution video images.



User-Controllable 10-Bit Digital Gamma Correction

In addition to Standard mode, Cinema mode for movies, and Real mode for graphics, four user-settable gamma correction modes are available. Now it's easier than ever to adjust the gradation to suit the screen conditions.

3D AUCC for High-Resolution Images

The 3D AUCC (Automatic Uniformity Correction Control) circuit ensures a uniform projected image, balancing uneven color and brightness gradations for greater on-screen naturalism.



High-Quality SXGA Compressed Projection with DRIT

SANYO's original Digital Realized Interpolation Technology (DRIT) enhances projected images, even if the resolution of the input signal differs from that of the LCD panels.

Whether compressing SXGA input signals or decompressing VGA input signals, DRIT renders your on-screen images with stunning fidelity.

N.B. The PLC-SU50, PLC-SU50S, and PLC-SL20 employ DRIT to compress SXGA and XGA input signals and to decompress VGA input signals.



	PLC-XU55	2500lm	PLC-XU50	2000lm	PLC-SU50	2000lm	PLC-SL20	1700lm
	PLC-XL20	1700lm						

Operational Flexibility Guarantees Successful Presentations

Short Throw Zoom Lens for Large-Screen Projection

The short throw zoom lens, with its 1.5x optical zoom, projects images onto a 100" screen from a throw distance of between 2.5 and 3.9 meters. Now large-screen presentations are possible even in small rooms.

N.B. The PLC-SU50S's 1.2x optical zoom projects a 100" image from a throw distance of between 3.3 and 4.0 meters.



Digital Keystone Correction Reduces Distortion

To compensate for keystone (trapezoidal) picture distortion, these projectors provide up to $\pm 40^\circ$ vertical and $\pm 20^\circ$ horizontal keystone correction. This reduces image distortion and gives you more freedom in positioning the projector and screen.



Up/down correction range ($\pm 40^\circ$ maximum)

Left/right correction range ($\pm 20^\circ$ maximum)

Lightweight and Compact for Greater Portability

The compact design (298 x 71 x 218 mm) and lightweight 2.8 kg body open up possibilities for presentations anywhere.

N.B. The PLC-SU50S measures 298 x 71 x 214 mm and weighs 2.7 kg.



Digital and Powered Optical Zooms Provide Set-up Flexibility

Along with a 1.5x optical zoom/focus, these projectors feature digital zoom capabilities that allow you to easily enlarge or reduce the screen size. These versatile zoom functions give you greater set-up flexibility.

N.B. The PLC-SU50S features a 1.2x optical zoom.

Dimmer Function to Optimize Lamp Brightness

Along with Normal mode and Eco mode, you have the choice of Auto mode. Auto mode adjusts lamp brightness in line with the video signal to ensure the high contrast needed to reproduce real blacks.

Fan Control System Reduces Unwanted Noise

The intelligent Fan Operation Linear Control System reduces cooling fan noise in line with changes in temperature, thus minimizing a common source of distraction during presentations.

Optional Accessories

- Multi Card Imager Box
POA-BOX20



CD-ROM

- Wireless LAN Card
POA-WLC20



- Wired LAN Card
POA-WDC20



- CompactFlash Card
POA-CFC20



General Specifications for Multi Card Imager

Multi Card Imager Box: POA-BOX20		
Power Supply	Power Consumption	DC3.3V 1.5A (max)
Projector Connection	External Interface	Digital RGB output: DVI 29-pin (male)
Environmental Conditions	Operating Temperature/Humidity	5 to 35°C, 20 to 80% (non-condensation)
	Storage Temperature/Humidity	-20 to 60°C, 20 to 80% (non-condensation)
Others	Dimensions	129 (W) x 27 (H) x 70 (D) mm
	Weight	170g

Wireless LAN Card: POA-WLC20

Wired Transfer Speed	10 Mbps (10BASE-T)
Protocol	TCP/IP
Dimensions	43 (W) x 15 (H) x 88 (D) mm
Weight	30g

CompactFlash Card: POA-CFC20

CompactFlash	32MB
PC Card Adapter for CF	ATA Standard Type-II

Product appearance and specifications are subject to change without notice.

Wireless LAN Card: POA-WLC20

Network Interface	IEEE802.11 b
Communication Mode	802.11 Ad Hoc, Infrastructure
Frequency Band	2,414 MHz ~ 2,462 MHz (channels 1-11) In France: 2,457 ~ 2,462 MHz (channels 10-11)
Modulation/Demodulation Method	DS-SS (Direct Sequence Spread Spectrum)
Communication Range	Outdoor, 120m/Indoor, 80m Note: The above data may vary depending on the operating environment.
Wireless Transfer Speed	11/2/1.5/1.1 Mbps (automatic switching)
Security	WEP40/128bit, SSID/ESSID
Protocol	TCP/IP
Countries Supporting Wireless LAN	Japan, Taiwan, Korea, Singapore, Thailand, Malaysia, Australia, New Zealand, United Kingdom, Netherlands, France, Germany, Greece, Switzerland, Italy, Spain, Ireland, Austria, Liechtenstein, Belgium, Luxembourg, Portugal, Denmark, Norway, Sweden, Finland, Iceland, USA, Canada
Dimensions	43 (W) x 10 (H) x 67 (D) mm
Weight	20g

Operating Environment

OS Support	Microsoft Windows 95/98/Me/Microsoft Windows NT4.0 Workstation/Microsoft Windows 2000 Professional/Microsoft Windows XP Home Edition/Professional
Protocol	TCP/IP
Network	IEEE802.11b
Recommended PC CPU	Pentium III 600MHz or higher
Memory	64MB or more is mandatory (128MB is recommended). 128MB or more is required for Windows XP. Note: Additional memory may be required if simultaneous applications are running.
Hard Disk	10MB or more
Screen Settings	Resolution: VGA (640 x 480), SVGA (800 x 600) or XGA (1024 x 768). Number of colors: 16 bits (65,536 colors) or 24/32 bits (1,677,000 colors).

- Wireless LAN Camera
VPC-MZ3L



Digital Camera Wireless LAN Card Grip Cover

- Ceiling Mounts
POA-CHS-US01 POA-CHB-XU55



- Document Camera
POA-MDC-50E/U



Dimensions
In Operation 261 (W) x 161 x 264 (H) x 282 (D) mm
In Storage 69 (W) x 161 (H) x 282 (D) mm
Weight 1.5 kg

- SCART D-Sub Cable: POA-CA-SCART
- Component D-Sub Cable: POA-COMPVGA
- DVI Cable: KA-DV20

Features to Facilitate a Variety of Presentations



Optional Multi Card Imager Box for Network Presentations & Computerless Presentations

After attaching the multi card imager box, you have the choice of three different operation methods: you can insert an optional wireless LAN card, a wired LAN card, or a CompactFlash card. Which method you choose depends on your specific requirements; whether, for example, you wish to make a network presentation or a computerless presentation.



Multi Card Imager Box & Wireless LAN Card or Wired LAN Card

Real-Time Capture Handles Any Application

Real-Time Capture enables the projector to capture and project any image from your computer screen, regardless of the application being used. The captured image can be projected through up to 5 projectors simultaneously – essential when you need to do multiple projections. And, thanks to One-Shot Communication, you can also connect multiple computers to a single projector for multi-computer presentations.



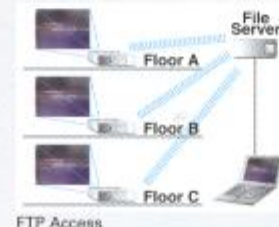
Wireless Remote Control of Projector via Computer

Turning the projector on or off, switching input modes, and adjusting projected images can all be done through your computer. The wireless remote control, meanwhile, gives you control of the computer's mouse. On top of all this, the projector even alerts you by e-mail when it's time to replace a lamp.



Network Viewer

The projector can directly access the FTP (File Transfer Protocol) server on your network, so you're always ready to project the latest shared files.



Multi Card Imager Box & Wireless LAN Card

The computer screen can be projected via wireless access points on the network. This also means peer-to-peer communication is possible between your computer and the projector. Using a digital still camera compatible with the optional wireless LAN, you can also project digital still images directly onto the display screen.



Wireless LAN Camera



Multi Card Imager Box & CompactFlash Card

If you save your data onto a CompactFlash card, you don't need a computer to have a presentation. Simply use the projector buttons to delete or reorder the slide image, or to rotate it by 90° – all without changing the original data.



Freeze Function

The Freeze function allows you to pause projected images and display them as still images.

User Logo Function

With the User Logo function, you can customize a startup screen using captured images or logos.

No Show Function

The No Show function lets you temporarily stop displaying the projected image, so the audience's attention can be focused on the presenter rather than the screen. You can also show your user logo instead of the projected image.

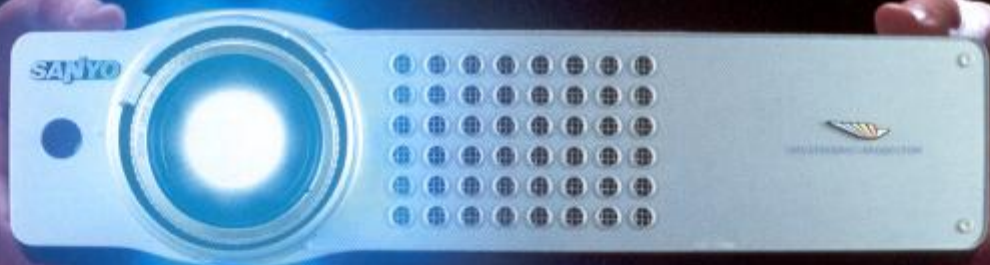
Presentation Timer

Use the Presentation Timer to show a running clock on the display screen.

Other Useful Functions

- DVI-I port and RGB monitor output terminal, with a choice of PC inputs x 2 or PC input/output terminals
- Graphical user interface (GUI) in 12 languages
- Easy one-touch adjustable feet
- Compatible with 6 color systems – NTSC, NTSC4.43, PAL, PAL-M, PAL-N, SECAM
- Capable of rear projection
- Built-in amplifier and speaker (Mono, 1W)
- Variable audio output
- Power management function (1-30 minute adjustable settings for auto power/light off)
- Remote control override function; unit responds either to remote control only, or to on-board buttons only.

Are You Prepared for Success?



The success of any presentation comes down
to one thing: preparation. And there's no better way to prepare
than with a SANYO mobile projector.

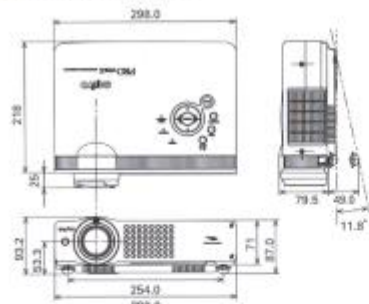
Whether it's detailed spreadsheets or dynamic video,
a SANYO mobile projector brings your presentation sharply into focus.

Superb image quality, easy set-up, and the flexibility
to handle a variety of presentation scenarios. Now you can be sure
you'll always get your message across clearly.

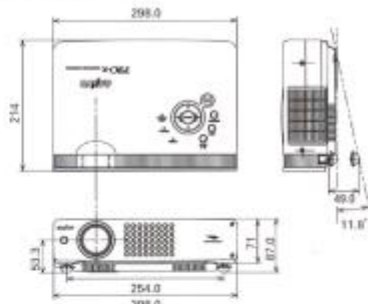
And memorably.

External dimensions (unit: mm)

PLC-XU55/20/XL20/SU50/SL20



PLC-SU50S



Approximate throw distance/picture size

PLC-XU55/20/XL20/SU50/SL20 (1.5x zoom lens model)

Screen Size (inches)	300"	200"	150"	100"	80"	60"	40"
Zoom (min)	7.9m	5.9m	3.9m	3.1m	2.3m	1.5m	1.0m
Zoom (max)	7.7m	5.1m	3.8m	2.5m	2.0m	1.5m	1.0m

PLC-SU50S (1.2x zoom lens model)

Screen Size (inches)	300"	200"	150"	100"	80"	60"	40"
Zoom (min)	8.1m	6.1m	4.0m	3.1m	2.3m	1.5m	1.0m
Zoom (max)	10.0m	6.7m	5.0m	3.3m	2.5m	1.5m	1.0m

Approximate throw distances shown above were calculated on lens design specifications. Please note that up to 5% deviation may result due to lens variation.

Model number	PLC-XU55	PLC-XU50	PLC-XL20	PLC-SU50	PLC-SL20	PLC-SU50S
Type	1.5x Zoom Lens Model					1.2x Zoom Lens Model
Optical system	Dichroic mirror separation/prism					
LCD panel system	Three 0.79 (2cm) TFT active matrix type panels					
Panel size	Three 0.79-inch panels, 4:3 aspect ratio					
Panel resolution	1024 x 768 (XGA)			800 x 600 (SVGA)		
Number of pixels	2,359,296 (786,432 x 3)			1,440,000 (480,000 x 3)		
Pixel arrangement	Stripes					
Projection lens	F1.7 to F2.5, f=20 to 30mm					F1.7 to F2.1, f=26.7 to 32mm
Keystone correction	1.0x to 1.5x manual-driven zoom					1.0x to 1.2x manual-driven zoom
	Horizontal: ± 20 degree, Vertical: ± 40 degree					
Projection lamp	200W UHP lamp					
Screen size	Adjustable from 40 to 300 inches					Adjustable from 33 to 300 inches
Throw distance	From 1.0 to 7.7m					From 1.3 to 10 m
Picture brightness	2500 lm	2000 lm	1700 lm	2000 lm	1700 lm	2000 lm
Uniformity	85 %					
Contrast ratio	400:1		350:1	450:1	350:1	450:1
Speaker system	φ 2.8cm					
Amplifier	1W monaural					
Scanning frequency	H sync	15-100kHz			15-80kHz	
	V sync	50-100Hz				
	Dot clock	140MHz or less			100MHz or less	
Laser specs	Type	Class II				
	Wavelength	650 ±20nm				
	Output	1mW max.				
Color systems	PAL/SECAM/NTSC/NTSC4.43/PAL-M/PAL-N					
Computer input terminals	Video: DVI-I x1 (HDCP compatible), Mini D-sub 15-pin x1					
	Audio: Stereo mini jack x1					
Video input terminals	Video: Composite RCA x 1, Component RCA x 3, S-video x 1					
	Audio: RCA x 2					
Other terminals	Service port (RS-232C), USB port (type B), Audio output (variable stereo mini jack x 1)					
Operating environment	5~35℃					
Rated power supply	100V-240V AC (auto voltage)					
Power consumption	270W		258W	260W	223W	260W
Dimensions (W x H x D)	298 x 71 x 218mm					298 x 71 x 214mm
Net weight	2.8kg					2.7kg
Standard accessories	AC power cord (3m), Wireless remote control unit, Soft carrying case (except for PLC-XL20/SL20), USB control cable, DVI-D-Dub cable, Lens cover etc.					

Product appearance and specifications are subject to change without notice.

Safety Precautions

- Do not install the LCD projector in areas exposed to water, humidity, dust, oil or smoke, or in close proximity to heat sources. Make sure the heat vents are not blocked. Fire, electrical shock or unit malfunction may result if the above precautions are neglected.
- Do not look through the lens while projecting, as damage to the eyes could result. Take special care when children are close by.
- Do not look at the laser beam coming out of the remote control unit or direct the laser beam toward a person. Direct contact with the laser beam may cause damage to the eyes.

Remarks

- Spare LCD projector parts are kept in stock for at least eight years after the product is discontinued.
- LCD panel manufacturing requires extremely high-precision technology, with pixels having a 99.99% quality control rating. However, there does exist a 0.01% or smaller possibility of dead pixels or constantly-lit pixels.
- Please note that product colors in the brochure may differ slightly from those of actual products.
- All screen pictures in the catalog are simulated.
- All company and product names are the trademarks or registered trademarks of their respective owners.

What is HDCP/HDCP technology?

HDCP is an acronym for High-bandwidth Digital Content Protection. High-bandwidth Digital Content Protection (HDCP) is a system for preventing illegal copying of video data sent over a Digital Visual Interface (DVI). If you are unable to view material via the DVI input, this does not always mean the projector is not functioning properly. With the implementation of HDCP, there may be cases in which content protected by HDCP will not be displayed, due to a decision by the HDCP community (Digital Content Protection, LLC).

Further details regarding this product can be accessed at <http://www.sanyo-lcdp.com/english/>

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

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