

# PLC-XP51/L | PLC-XP56/L

## Perfect presentations without limits

The new PLC-XP51 and PLC-XP56 portable projectors deliver multimedia presentations with the utmost in perfection and flexibility. Astonishing output, future-oriented technology and full network capability make them true communication experts. Whether at trade fairs, in lecture theaters or large conference rooms, their versatility is extraordinary.

But SANYO's multimedia all-rounders don't just open up limitless options for perfect presentations. With the optional PJ Net Organizer Plus, you can control any number of projections anywhere in the world at any time – simply and easily from your own PC. Simple operation, comprehensive connection options and the freedom to choose between three high-quality add-on lenses – all guarantee absolute sovereignty over your presentations. With all of the features you expect.

## Benefits at a Glance

- Maximum flexibility and network compatibility with optional PJ-Net Organizer Plus
- 4 optional lenses
- Brightness: 4,000 / 5,000 ANSI lumens
- Contrast: 1,000 / 1,100 : 1
- XGA resolution
- Durable magnesium case
- Intuitive, simple operation
- Wide range of connection options
- Power and digital zoom
- Vertical lens shift function
- Digital keystone correction
- Low noise operation
- ECO Mode
- Clear menu setup
- Numerous presentation functions
- Extensive accessories
- 3 year warranty

# PLC-XP51/L | PLC-XP56/L (L = Delivery without lens)

## Technical Data

Brightness	4,000 ANSI lumens (PLC-XP51/L)	5,000 ANSI lumens (PLC-XP56/L)
Panel	3 x 1.3" TFT p-Si (plus Micro Lens on PLC-XP56/L)	
Number of Pixels	2,359,296 (XGA 1,024 x 768)	
Computer Compatibility	S-XGA / XGA / S-VGA / VGA / MAC	
Projection Lamp	300 W NSH	
Uniformity	90 %	
Contrast Ratio	1,000 : 1 (PLC-XP51/L)	1,100 : 1 (PLC-XP56/L)
Horizontal Resolution	800 TV lines	
Lens	F = 1.8 ~ 2.1, f = 48.4 ~ 62.8 mm (for standard lens on PLC-XP51)	F = 1.7 ~ 2.0, f = 48.2 ~ 62.6 mm (for standard lens on PLC-XP56)
Aspect Ratio	1.7 – 2.3 : 1 (for standard lens on PLC-XP51 and PLC-XP56)	
Throw Distance	1.4 ~ 14.4 m (for standard lens on PLC-XP51)	1.4 ~ 14.7 m (for standard lens on PLC-XP56)
Color Systems	PAL / SECAM / NTSC / NTSC4.43 / PAL-M/N	
Connections	Input 1	1 x D-Sub15 (also SCART-RGB In / Monitor Out) 1 x DVI-D (digital / HDCP)
	Audio	1 x 3.5 mm Stereo Jack
	Input 2	5 x BNC (RGB / Video/Y, Cb/Pb, Cr/Pr) Audio 1 x 3.5 mm Stereo Jack
Input 3	1 x S-Video (Mini-DIN 4-pin) 1 x RCA x 3 (Y/Video, Pb/Cb, Pr/Cr)	
	Audio	1 x RCA x 2 (R/L Stereo)
Control Input Jacks	1 x USB (Type B), 1 x Mini-DIN 8-pin, RS-232C, wired remote control	
Frequency	Horizontal: 15 ~ 100 kHz, Vertical: 50 ~ 100 Hz	
Bandwidth	180 MHz	
Sound	2 W Stereo	
Fan Noise	35 dBA (ECO Mode)	
Voltage	100 – 240 V	
Dimensions (W x H x D)	31.90 x 16.80 x 42.95 cm	
Weight	8.7 kg (PLC-XP51)   8.4 kg (PLC-XP51L)	9.2 kg (PLC-XP56)   8.7 kg (PLC-XP56L)
Guarantee	3 years	
Standard Accessories	IR remote control with laser pointer and mouse function, batteries, computer cable (D-Sub15/D-Sub15), Mac/VGA adapter, mouse cable (PS/2, MAC, serial), operating manual, power cable, lens cover, dust cover	
Optional Accessories	PJ-Net Organizer Plus, 4 interchangeable lenses	

Technical specifications are subject to change without notice. Date 09/2004

[www.sanyo.de](http://www.sanyo.de)



**SANYO**

PLC-XP51/L | PLC-XP56/L

**SANYO**

Talented Multimedia Communication.  
Completely at home in networks.



(L = Delivery without lens)

**SANYO**



# Image Quality

## Image quality – as fascinating as reality itself

SANYO projectors set an outstanding example in flawless image reproduction. They shine in all relevant areas like color depth, resolution, sharpness and detail. Their ability to entrance viewers is no surprise, however; it is the result of a perfect collaboration between high-quality lenses and intelligent technology.

## Spellbinding brightness and contrast in every pixel

Now you can rely on dazzling brightness and strong contrast in all your projections. 4,000 (PLC-XP51/L) and 5,000 ANSI lumens (PLC-XP56/L) make your projections stand out brightly in any environment.

Along with the powerful 300 watt NSH lamp, SANYO's newly implemented micro lens technology contributes to the impressively bright output. The microscopic lenses in front of the panels bundle the light and pass it through each pixel with absolute precision.



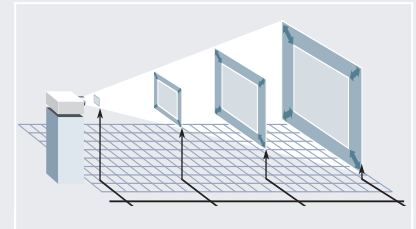
Furthermore, the exceptionally high contrast ratios of 1,000 :1 (PLC-XP51) and 1,100 :1 (PLC-XP56) deliver incredibly dynamic images with vivid colors and deep, rich blacks.

## Impressive images thanks to intelligent sharpness optimization

The PLC-XP51/L and PLC-XP56/L projectors captivate users not only with their incredible contrast but with their razor sharp images as well. An intelligent sharpness optimization routine is responsible. It analyzes the incoming signals and, if necessary, corrects them digitally. The result: natural images with maximum sharpness at all times.

## Automatic 3D-AUCC image adjustment

The 3D-AUCC (Automatic Uniformity Correction Controller), previously only available on high-end projectors, allows subtle adjustment of the image signal. It ensures perfect color reproduction in sensitive areas – for example, in color transitions and skin tones.



Throw Distance [in m]	1.4	5.0	7.0	14.7
Possible Diagonals [m]	0.76 – 1.03	2.71 – 3.68	3.80 – 5.15	7.99 – 10.81

Distance [in m]	1.4	5.0	7.0	14.7
Width x Height min.	0.61 x 0.46	2.17 x 1.63	3.04 x 2.28	6.39 x 4.79
Diagonal min.	0.76	2.71	3.80	7.99
Width x Height max.	0.82 x 0.62	2.94 x 2.21	4.12 x 3.09	8.65 x 6.49
Diagonal max.	1.03	3.68	5.15	10.81

All specified values in [m] meters.

## The right lens for every use

The PLC-XP51 and PLC-XP56 are delivered with a high-quality standard lens. (L-version: delivery does not include standard lens). Four optional lenses are also available to meet the most varied requirements.

	Extreme wide angle LNS-W32	Wide angle LNS-W31A	Long zoom LNS-T31A	Extreme long zoom LNS-T32
<b>Focal Length</b>	22.3 mm	34 – 48 mm	64 – 112 mm	112 – 155 mm
<b>Aspect Ratio</b>	0.8 : 1	1.3 – 1.8 : 1	2.4 – 4.3 : 1	4.2 – 6.0 : 1
<b>F-Value</b>	2.5	2.5 – 3.1	2.0 – 2.9	2.1 – 2.7
<b>Lens Shift</b>	1 : 1	Approx. 10:0 – 1:3	Approx. 10:0 – 1:3	10:0 – 1:1
<b>Weight</b>	1.6 kg	1.7 kg	1.9 kg	1.7 kg
<b>Zoom / Focus</b>	fixed / manual	electric (1.4 x) / electric	electric (1.8 x) / electric	electric (1.5 x) / electric

The practical bayonet lens mount means you can switch lenses in no time at all.

You can use the distance calculator at [www.sanyo.de](http://www.sanyo.de) to easily determine the image sizes or distances for each lens.



# Flexibility and User-Friendliness

**Comfort – as exceptional and varied as your needs**

Each day brings new challenges. The PLC-XP51/L and PLC-XP56/L give you maximum flexibility and the utmost in ease-of-use. As multimedia network professionals, they are designed from the outset to provide you with a wide range of progressive solutions.

## Greater leeway with Lens Shift Function

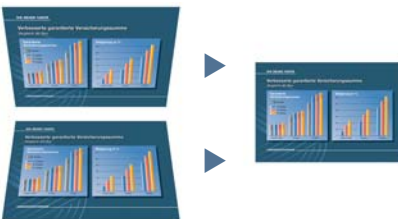
The vertical lens shift function is a major plus in terms of flexibility when setting up your projector. After all, projectors cannot always be perfectly aligned with the screen. And when they can't, images appear distorted. With the power shift lens, you can adjust the image precisely over a vertical range of 10:0



to 1:1 without having to move the projector. The result is perfect image quality with no data loss. The actual shift values vary depending on the optional lens used. For more information, please see the lens table.

## Perfect images with digital keystone correction

The digital keystone correction eliminates horizontal and vertical image distortions due to angled projection by up to +/- 40° and +/- 20° respectively. (This function is also used with holographic projection panes – such as HoloPro® – as well.)



## Professional presentations made easy

Besides the digital zoom, the PLC-XP51 and PLC-XP56 offer additional practical presentation functions:

- Freeze function for freezing the current image on screen – e.g., for starting a new application in the background.
- No Show function for hiding the current image; a company logo or other image can be displayed instead of a black screen if desired.
- Presentation Timer for better control over whether your presentations remain within preset time limits.

## Worldwide compatibility

Thanks to its universal power supply, the projector automatically adjusts to the local mains voltage.

## Relaxed presentation thanks to simple operation

Successful presentations often depend on simple things – such as the user-friendliness of the projector, for example. Thanks to the easy-to-use onscreen menus in eleven languages, you will always be relaxed during any presentation with SANYO's new portable projectors.

## Fast image enlargement and reduction with a power and digital zoom

Besides the 1.3x power zoom, the PLC-XP51 and PLC-XP56 include an innovative digital zoom that you can use to enlarge image segments by up to 49 times. In addition, you can reduce the projected image to 1/4 of its original size.

## Maximum compatibility with DRIT

Thanks to SANYO's Digital Realized Interpolation Technology (DRIT), the PLC-XP51/L and PLC-XP56/L deliver optimal quality even at resolutions that are not the same as the native panel resolution.

## A temperature-controlled fan eliminates bothersome noise

To ensure that your listeners can concentrate on you presentation completely, the fan automatically adjusts to the ambient temperature. If the temperature falls, the fan's speed is automatically decreased to reduce fan noise. In ECO Mode (which still delivers 80% of full output) the operating noise is reduced to just 35 dB.

## Maximum resilience thanks to a durable magnesium case

Packed in a light, yet robust and highly attractive magnesium case, the PLC-XP51/L and PLC-XP56/L can handle all the hardships of regular presentations.



Enlarged image



Original



Compressed display (1/4)

## Virtually limitless network possibilities: PJ-Net Organizer

### Maximum flexibility thanks to extensive connection options

Thanks to their wide range of connection options, SANYO's new projectors are ideal partners for any multimedia presentation:

- D-Sub15 (PC In, Monitor Out): Standard PC Input
- DVI-D (digital/HDCP): for connecting a DVI-D digital computer cable
- 5 BNC (RGBHV / Video / Y-Pb/Cb-Pr/Cr): for connecting a professional video source or a PC with the appropriate adapter cable (5 BNC/VGA)
- Component Input (3 x RCA): maximum image quality using separate signal components for high-quality video sources such as DVD players, HDTV devices and PCs.
- S-Video Input: for better image quality than with RCA connectors.

With PJ-Net Organizer, SANYO has developed a system that allows you to operate and monitor your projectors over a network from a central location. Even presentations can be sent directly to the projector over the network.

**An additional plus:** All of these benefits are also available with wireless, WLAN technology.



PJ-Net Organizer Plus (POA-PN02)

To use the technology, simply connect PJ-Net Organizer Plus to your projector and network (LAN/WAN). This gives you access to the following functions in Internet Explorer:

- **Image data transfer from PC to projector via LAN/WAN**  
With the supplied software, image data can be transferred from a PC to the projector over an intranet or the Internet.
- **LAN/WAN Server Access**  
The projector can access and display image data stored on networked FTP servers.
- **Web-based Remote Control**  
This function allows you to monitor the current status of the projector and remotely modify settings. Technical data such as the power or lamp status can also be displayed. In addition, you have the option of selecting individual input sources, modifying computer and image settings as well as image parameters such as brightness, contrast or color.



## anizer Plus

## Extensive Accessories

## Outstanding Service

### → Multi Control Function

With the Multi Control function, you can transfer control signals simultaneously to groups of projectors instead of just one device. You can also control connected peripheral devices such as DVD players or digital video cameras over the network.

### → Automatic Error Reporting

A burnt out lamp or power failure – when an error occurs an e-mail is automatically sent to the administrator so that problems can be eliminated as quickly as possible. In addition to the time, the e-mail includes the exact model number and IP address of the affected device.

### → Timer

If your projections need to run at a particular time of day – from 6 to 9 PM, for example – simply enter the schedule in PJ Net Organizer Plus. The units are then controlled as well as switched on and off automatically to protect the lamps.

### Standard Accessories:

- Remote control with laser pointer and mouse function including batteries, remote control cable
- Computer cable (D-Sub15/D-Sub15)
- Operating manual
- Power cord
- Lens cover
- Dust cover

### Optional Accessories:

- PJ-Net Organizer Plus  
(See left for detailed description)



In terms of warranty and repair, SANYO also sets a shining example:

### Guarantee

The three-year warranty period is clear proof of the exceptionally high quality of SANYO's projectors.)

The lamp guarantee is 90 days or 300 hours, whichever comes first.

