



Captivate family and friends with the beauty of pure HD.

"OK," you say, "let's get started." And with that everyone turns their eyes to the screen.

What your viewers see are clear, bright high-definition images,

beautifully displayed on a large screen. Everyone is mesmerized. The PLV-Z5.

An exciting new HD projector for the 21st century.

A projector whose images go beyond beauty, to the realm of pure, powerful emotion.



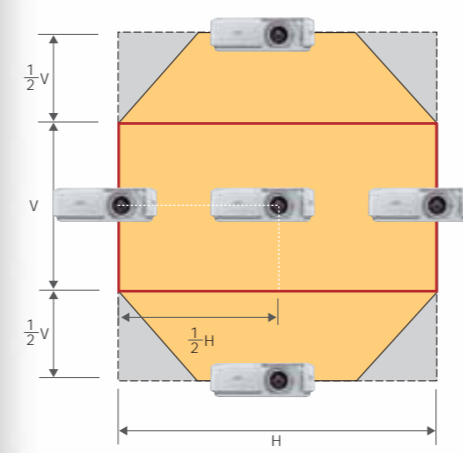
Home Cinema LCD Projector **Z5**

The Most Flexible Positioning in the Industry¹⁾

The PLV-Z5 gives you much more than beautiful images. It also gives you the greatest positioning flexibility in the industry. With the Z5's lens shift system, you can shift the image vertically by three times the image height, and horizontally by two times the image width. This combines with the 2x optical zoom to give you exceptional flexibility in where you place the projector.

¹⁾ As of September 14, 2006

Front view (conceptual diagram)



PLV-Z5 Installation area image

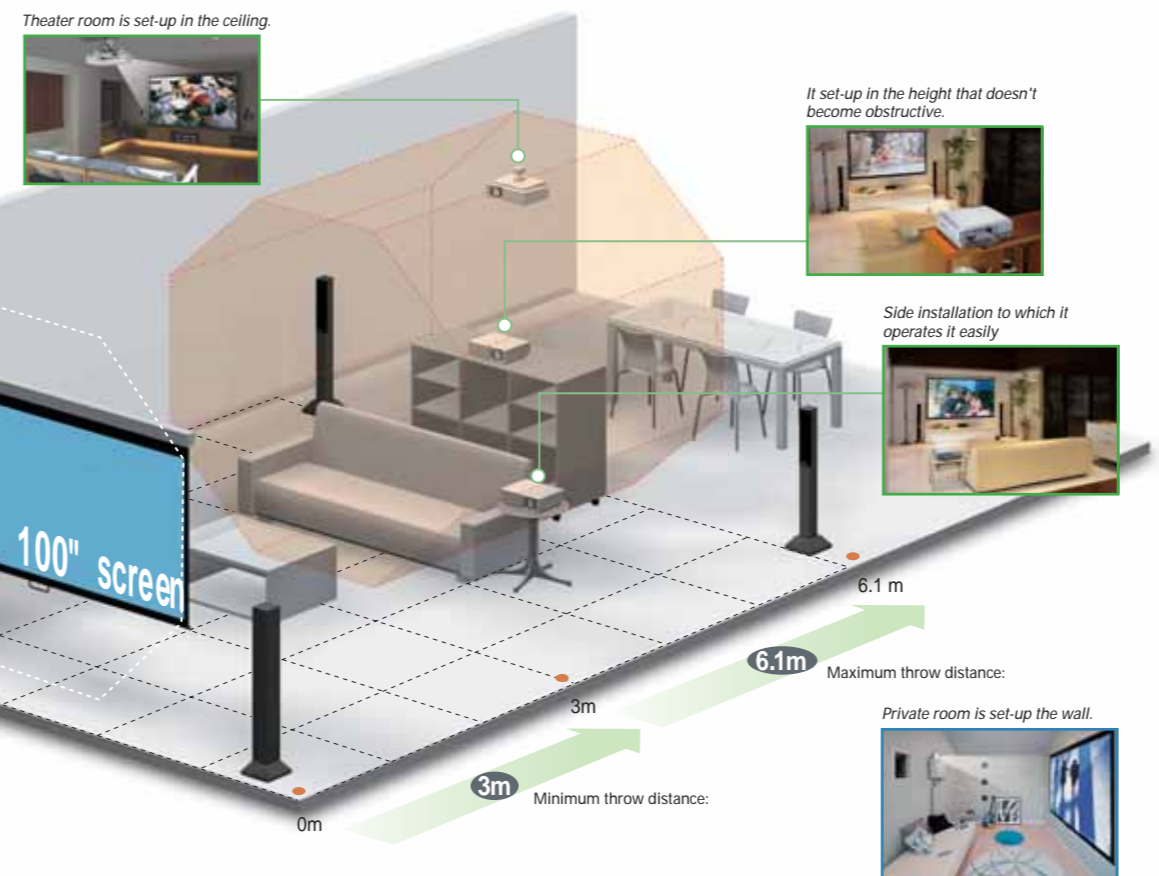
When the screen position is fixed, you can place the projector so that it displays vertically within the range of the screen width and horizontally within the range of the height exceeding the screen height by 1/2 on top or bottom.

■ PLV-Z5 Placement range when the screen position is fixed
 □ Screen position (V : height, H : width)

7 One-Touch Pre-Set Mode

Seven One-Touch Preset Modes The PLV-Z5 provides seven one-touch presets to optimize color, brightness, and contrast levels. Simply select the mode best suited to your particular viewing needs.

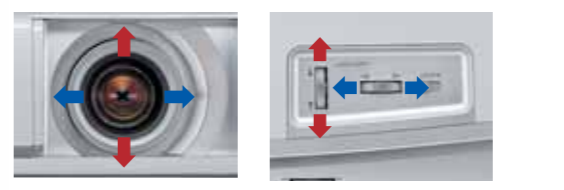
<p>Brilliant Cinema Mode <small>NEW</small></p> <p>Project images that are clear, crisp and easy to see even in a bright room.</p>	<p>Creative Cinema Mode</p> <p>Emphasizes the sense of contrast, as well as any 3D effects.</p>	<p>Pure Cinema Mode</p> <p>Reduces excess gradation contrast, for a rich and smoothly graded picture tone.</p>	<p>Living Mode</p> <p>Best suited to projecting sports or dramas from TV.</p>	<p>Natural Mode</p> <p>Offers faithful reproduction of the input signal.</p>	<p>Dynamic Mode</p> <p>Enables projection in bright rooms.</p>	<p>Vivid Mode</p> <p>Suitable for viewing images with expansion of the sense of contrast to a maximum extent.</p>
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Motor-Operated Slide Shutter

The shutter can be opened or closed automatically by remote control. This means you will no longer have to manually attach or remove the lens cap when the projector is mounted on the ceiling or in a high location that is difficult to reach. The shutter also protects the lens from dust.

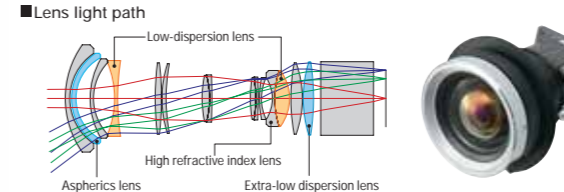
Vertical and Horizontal Lens Shift



The horizontal and vertical lens shift function, which can be adjusted using two small wheels on the side of the projector, allows you to adjust the screen projection easily, without having to move the actual body of the projector.

Large 90-mm Diameter 2x Zoom Lens

The PLV-Z5 combines a large lens-shifting capability with a compact 2x optical zoom. The 4-group zoom lens system balances two low-dispersion lenses, an extra-low dispersion (ED) lens, a high refractive index lens, and an aspherical lens to increase peripheral brightness, suppress chromatic aberration, and lend a higher-resolution appearance. The PLV-Z5 projects images onto a 100" screen from a throw distance of 3 to 6.1 meters.



Digital Keystone Correction

This compensates for keystone (trapezoidal) picture distortion up to ±20% vertically, for situations where vertical or horizontal lens shift alone isn't enough.

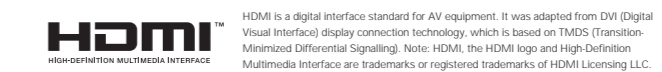
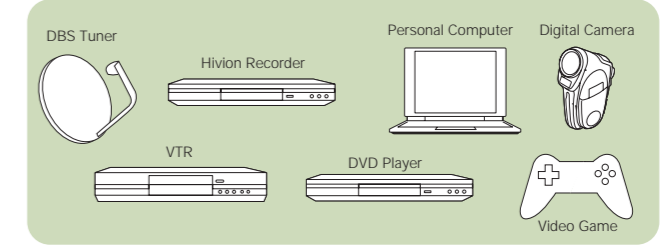
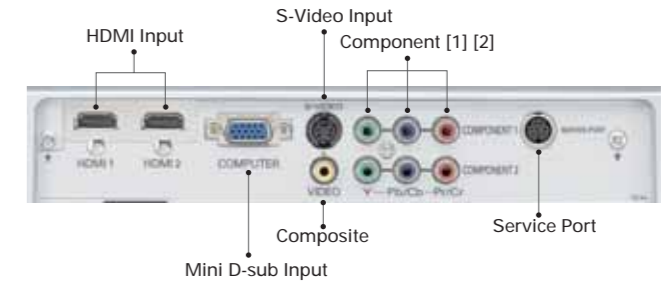
Advanced Mode

The Advanced Mode provides a range of adjustments to match your viewing requirements. Adjustments include RGB gain, RGB gamma, RGB offset adjustment, lens iris adjustment, outline compensation, black level expansion, and contrast enhancement.

<p>RGB Gain, RGB Gamma and RGB Offset</p> <p>The gain, gamma and offset can be controlled separately for each of the RGB colors to attain more subtle color reproduction. This allows you to find settings that more closely match your own preference.</p>	<p>Outline Compensation</p> <p>The signals that form image outlines can be compensated in 4 steps (OFF/L1/L2/L3).</p>	<p>Black Level Expansion</p> <p>This function gives a crisper appearance to blacks in bright areas. It can be set in 4 steps (OFF/L1/L2/L3).</p>	<p>Contrast Enhancement</p> <p>The contrast in bright scenes can also be adjusted in 4 steps (OFF/L1/L2/L3).</p>
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Two HDMI and Two Component Inputs

The Z5 comes equipped with an HDMI (High Definition Multimedia Interface) terminal. Along with its two other sets of component inputs (including Y/Cb/Cr 3-pin terminals), the HDMI terminal expands your viewing options.



Silent Design—Only 22 dB

No matter how beautiful the images are, a noisy projector pulls you away from the picture. In the Z5, we redesigned the internal structure and maximized cooling efficiency to achieve super-quiet performance. By controlling the fan's rpm and using Eco mode, we reduced operating noise to 22 dB*1 (approx.) - Even in Normal mode, the Z5 operates at a quiet 27 dB.*2

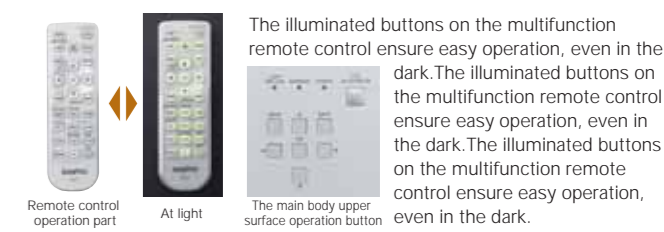
*1: In Pure Cinema mode or with the lamp set to Eco mode. (When not using ceiling-mount fittings or a wall-mounting kit).
 *2: In Dynamic mode or with the lamp set to Normal mode.

New GUI Menu



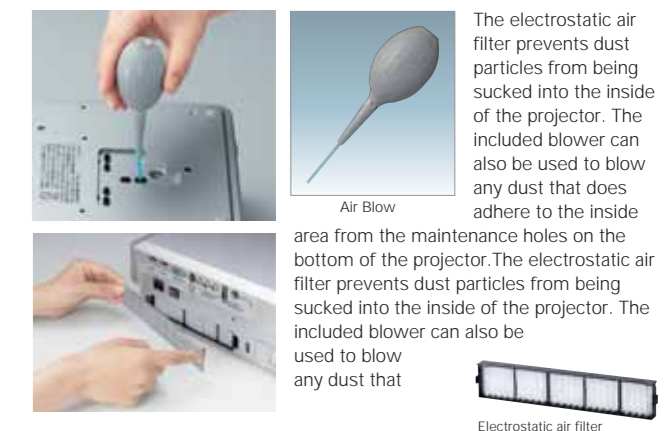
All major operations are displayed in a list, with a handy operating guide shown at the bottom of the menu.

Multifunction Remote Control with Full Light-up Function



The illuminated buttons on the multifunction remote control ensure easy operation, even in the dark. The illuminated buttons on the multifunction remote control ensure easy operation, even in the dark. The illuminated buttons on the multifunction remote control ensure easy operation, even in the dark.

Anti-Dust Features



The electrostatic air filter prevents dust particles from being sucked into the inside of the projector. The included blower can also be used to blow any dust that does adhere to the inside area from the maintenance holes on the bottom of the projector. The electrostatic air filter prevents dust particles from being sucked into the inside of the projector. The included blower can also be used to blow any dust that

A Wide Variety of Projection Mode

You can choose the projection mode from a total of eight modes—full, full through, zoom, superimpose, normal, normal through, wide 1 and wide 2.

"My Screen" Function

This lets you easily capture an image, such as your original logo, and project it onto the screen as a startup or default screen.

12-Bit Digital Image Processing

In the Z5, the ICs that determine image quality—such as the video decoder, scaler and gamma curve generator—all use 12-bit digital processing. The result is reproduction of deeper, richer images. And thanks to greatly improved calculating precision, the Z5 renders even tiny nuances in expressive detail.



High-Color-Purity Optical System

This system divides the lamp light into the three primary colors of red, blue and green, and projects them separately onto the screen. By eliminating color mixing, the Z5 faithfully reproduces the colors of high-resolution digital video software, such as DVD.

Super Fine AUCC for High-Resolution Images

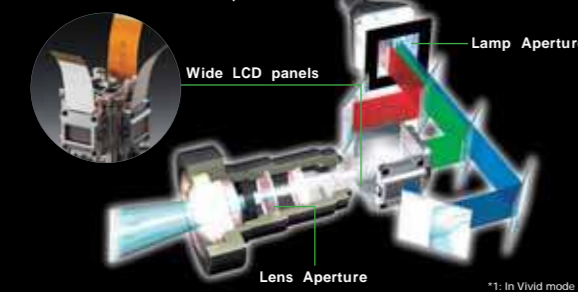
The 3D Automatic Uniformity Correction Control (AUCC) circuit ensures a uniform projected image, balancing uneven color and brightness gradations for more natural image displays.

Progressive Scan

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

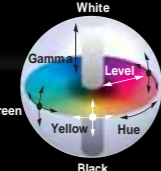
1,100-lm Brightness, 10,000:1 Contrast

The PLV-Z5 incorporates Sanyo's Twin-Iris System, which integrates the lens aperture and lamp aperture to help achieve remarkable 10,000:1 contrast. You can also increase the contrast further by adjusting the amount of light emitted from the lamp. The Z5 also provides higher luminance than previous models. Images have superior gradation, and brightness can be adjusted according to ambient conditions. Enjoy beautiful, vibrant easy-to-see images whether you're watching in a bright, daylight living room or a darkened home theater space.



3D Color Management

You can adjust and save the level, hue and gamma curve of any color. Fine-tuning the image settings this way lets you compensate for the specific conditions in each viewing environment.

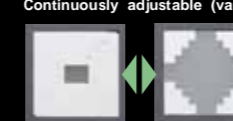


Twin Iris and Lamp React System

Lens Aperture: The motor-driven aperture optically adjusts the contrast, and makes the setting automatically according to the image mode selection. Or, you can use the remote control to precisely adjust the contrast from 100% to 60%, in 64 steps.



Lamp Aperture: By analyzing the brightness of the scene and using the information to control the lamp, this advanced function both brightens the image and emphasizes the feeling of contrast.



Lamp React: The lamp luminance can be finely adjusted by up to 20% to match the screen brightness. This feature combines with the Twin-Iris System to help the Z5 achieve outstanding 10,000:1 contrast.



Specifications	
Model number	PLV-Z5 / PLV-Z5BK
LCD panel system	Three 0.7-inch (1.78 cm) TFT active matrix type panels
Optical system	Dichroic mirror separation/prism
Panel size	Three 0.7-inch panels, 16:9 aspect ratio
Panel resolution	1,280 x 720 dots
Number of pixels	2,764,800 (921,600 x 3)
Pixel arrangement	Stripes
Projection lens	F2.0 to F3.0, f=21.3 to 42.6 mm, 1x to 2.0x manual zoom and focus
Projection lamp	145 W UHP Lamp
Screen size	Adjustable from 40 to 300 inches
Color reproduction	Approx. 1,070 million colors
Throw distance	From 1.2 m to 9.2 m
Picture brightness	1,100 lm (Dynamic mode)
Uniformity	85% (Corner to center)
Contrast ratio	10,000:1 (Vivid mode)
Fan noise	22 dBA (Lamp mode: Eco) to 27 dBA (Lamp mode: Normal)
Scanning frequency	H sync: 15-80 kHz, V sync: 50-100 Hz
Dot clock	100 MHz or less
Color systems	PAL, SECAM, NTSC, NTSC 4.43, PAL-M, PAL-N
Video signals	HDMI, Composite, S-Video, Component
Video terminals	HDMI terminal 19-pin x 2, RCA type x 1 (Video), RCA type (Y, Pb/Cb, Pr/Cr) x 2, Mini DIN 4-pin x 1 (S-Video)
Computer compatibility	WXGA/SXGA/XGA/SVGA/VGA/MAC
Computer terminals	Analog RGB x 1 (Mini D-sub 15-pin)
Communication terminal	Service port (RS-232C)
Operating temperature	5 to 35 C
Rated power supply	100-240 V AC, 50 Hz/60 Hz auto voltage selection
Power consumption	210 W (Lamp:Normal), 185 W (Lamp:Eco), 0.5W (Stand-by)
Dimensions	382 (W) x 126.8 (H) x 304.3 (D) mm
Net weight	5.0 kg (11.0 lbs.)
Standard accessories	AC power cord (2 m), Wireless remote control unit, AA Alkaline Battery x2

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.

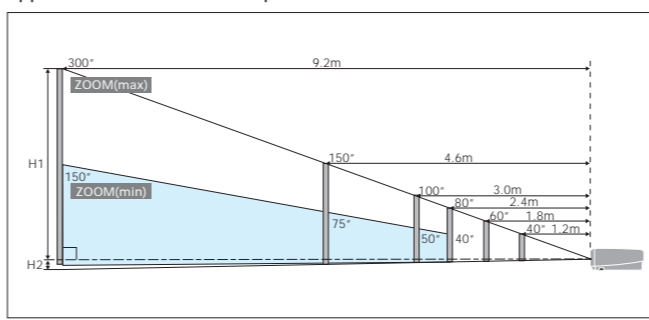
Remarks
 • Spare LCD projector parts are kept in stock for at least eight years after the product is discontinued.
 • LCD panel manufacturing requires extremely high-precision technology, with pixels having a 99.99% quality control rating. However, there does exist a 0.01% or smaller possibility of dead 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 brochure are simulated.
 • All company and product names are the trademarks or registered trademarks of their respective owners.
 • Product appearance and specifications are subject to change without notice.

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.

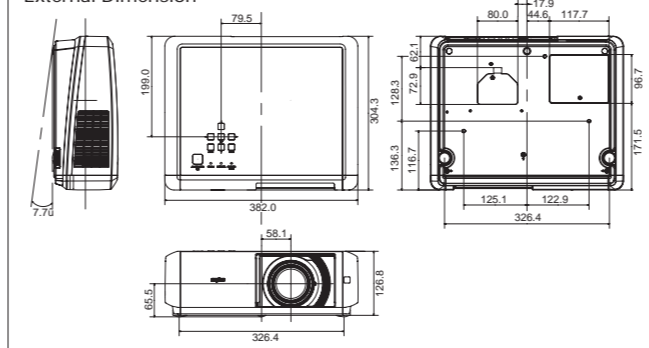
Distributed by:

Approximate throw distance/picture size



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

External Dimension



Options

■ Ceiling mounting
 High ceiling metal fitting POA-CHL-UL01

Low ceiling metal fitting POA-CHS-US01

Z5 Bracket assembly POA-CHB-Z2

■ Wall-mounting Kit
 POA-CH-EX02

■ Lamp for exchange
 POA-LMP94

■ Optional cables
 Product HDMI cable (5m)
 Model number POA-CA-HDMI

Visuals that Delight the Eyes and Touch the Heart.

Home Cinema LCD Projector

Z5



Breathtaking Beauty

Every scene packs a new emotional punch. Clear, crisp images with sharp contrast and rich, vivid color-images with beauty that you feel on an emotional level.

Thanks to TopazReal, a Sanyo original technology, the Z5 projects clear, bright high-definition images that providesuper-dynamic viewing on a large screen.



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