



— Multimedia Projectors —



- Home
- Lineup
- Applications
- Options
- Information
- Downloads
- Site Map

High-definition projection on a 16 : 9 wide screen offers authentic movie theater enjoyment at home!

▼ Products

- ▶ Spec
- ▶ Option List
- ▶ Download

Home Cinema LCD Projector

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.



PLV-Z5

PLV-Z5BK

High Definition

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.

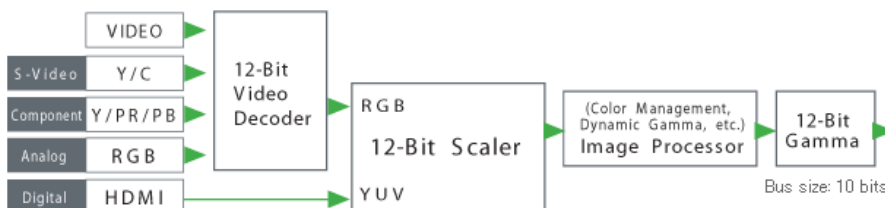


12-Bit Digital Image Processing

In the Z5, the ICs that determine image quality-such as the video deoder, 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.



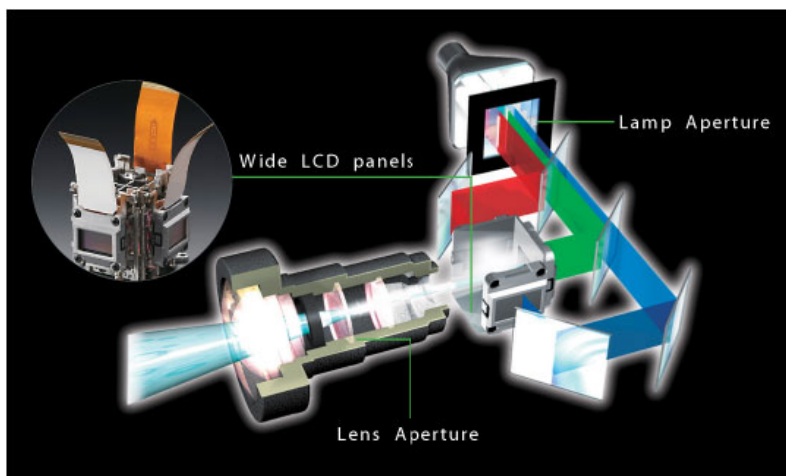
12-bit digital processor



1,100-lm Brightness, 10,000:1*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*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.

*1



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.



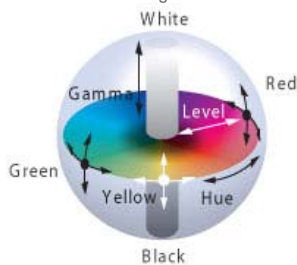
Lamp React:

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.



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.



Before adjust ▲



After adjust ▲

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

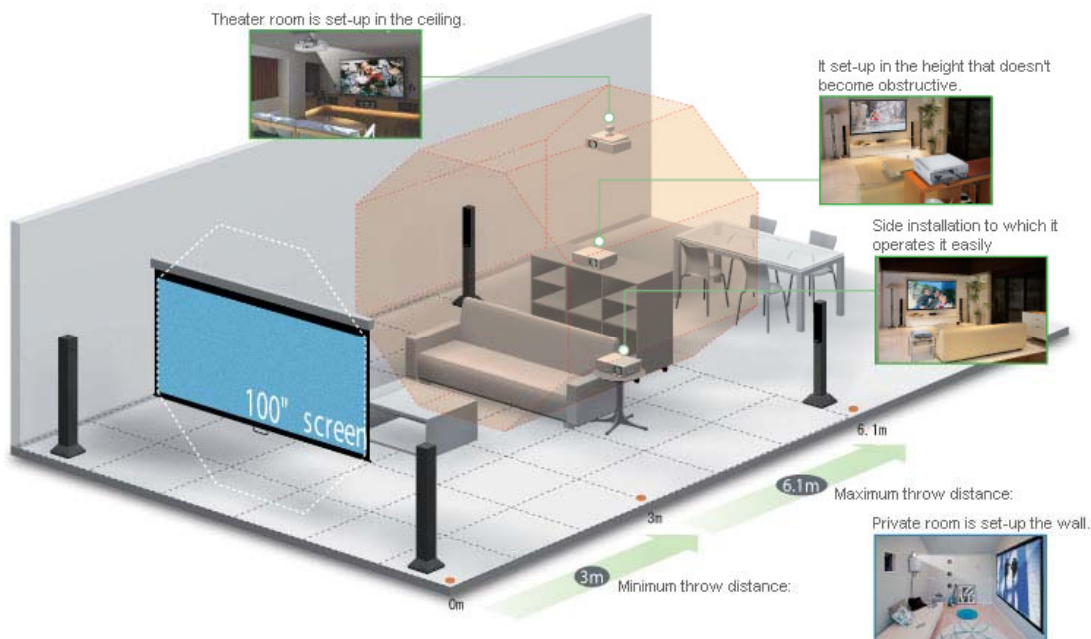
A progressive scan circuit ensures superb, high-resolution video images.



Flexibility

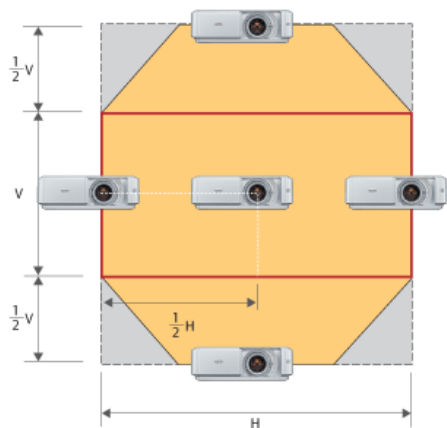
The Most Flexible Positioning in the Industry*1

The PLV-Z5 gives you much more than beautiful images. It also gives you the greatest positioning flexibility in the industry. With the Z5 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



PLV-Z5 Installation area image

Front view (conceptual diagram)



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)

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.

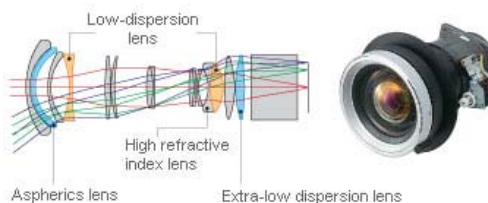


Digital Keystone Correction

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

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.





Other Features

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.



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.

■ Brilliant Cinema Mode



Project images that are clear, crisp and easy to see—even in a bright room.

■ Creative Cinema Mode



Emphasizes the sense of contrast, as well as any 3D effects.

■ Pure Cinema Mode



Reduces excess gradation contrast, for a rich and smoothly graded picture tone.

■ Living Mode



Best suited to projecting sports or dramas from TV.

■ Natural Mode

Offers faithful reproduction of the input signal.

■ Dynamic Mode

Enables projection in bright rooms.

■ Vivid Mode

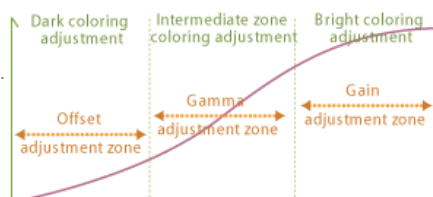
Suitable for viewing images with expansion of the sense of contrast to a maximum extent.

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.

■ RGB Gain, RGB Gamma and RGB Offset

The gain, gamma and offset aid in more subtle color reproduction. This allows you to find settings that more closely match your own preference.



■ RGB Gain, RGB Gamma and RGB Offset

The signals that form image outlines can be compensated in 4 steps (OFF/L1/L2/L3).

■ RGB Gain, RGB Gamma and RGB Offset

This function gives a crisper appearance to blacks in bright areas. It can be set in 4 steps (OFF/L1/L2/L3).

■ RGB Gain, RGB Gamma and RGB Offset

The contrast in bright scenes can also be adjusted in 4 steps (OFF/L1/L2/L3).
Note: Some of the above adjustments cannot be made due to the input signal or input mode.



Functionality

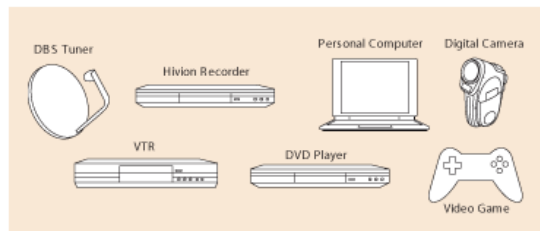
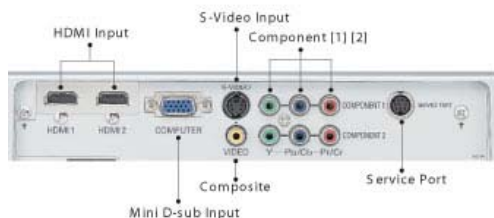
Easy to Use, Fun to Own

Equipped with a host of user-friendly functions, the PLV-Z5 makes it easy to view your favorite content. Enjoy all the beauty of bright, clear high-definition images and all the visual impact of a large screen. Maintenance is easy too.

The more you use the Z5, the more you'll appreciate its smart design, easy operation and superb performance.

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.



HDMI™
HIGH-DEFINITION MULTIMEDIA INTERFACE

HDMI is a digital interface standard for AV equipment. It was adapted from DVI (Digital Visual Interface) display connection technology, which is based on TMDS (Transition-Minimized Differential Signalling). Note: HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC.

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.



30 dB: A pendulum on a wall clock, or a whisper
 20 dB: The sound of brushing against tree leaves

New GUI Menu

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



Information menu



Setting menu



Advanced menu

Multifunction Remote Control with Full Light-up Function

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



Remote control operation part

At light

The main body upper surface operation button

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



Air Blow



Electrostatic air filter

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.

[PLV-Z5](#)[▶ Spec](#)[▶ Option List](#)[▶ Download](#)[SANYO HOME](#)

All rights reserved. copyright(c) SANYO Electric Co., Ltd. 2002.