

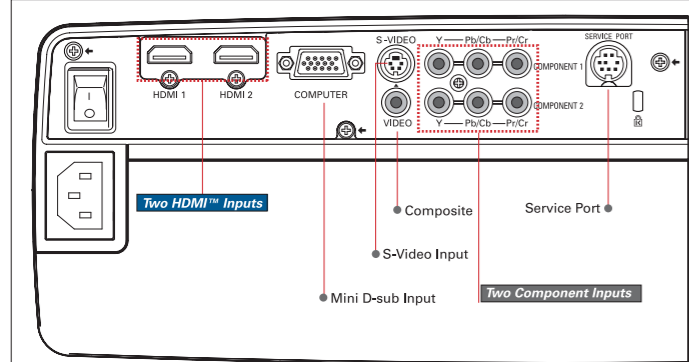
Specifications	PLV-Z3000	PLV-Z700
Model name	PLV-Z3000	PLV-Z700
Panel	0,74 inch Wide, TFT p-Si x 3 (Inorganic Type)	0,74 inch Wide, TFT p-Si x 3 (Organic Type)
Number of pixels	2,073,600 (1920 x 1080 dots)	165 W
Projection lamp	1200 lm (Dynamic mode)	10000 : 1 (Dynamic mode)
Brightness (typical)	1200 lm (Dynamic mode)	10000 : 1 (Dynamic mode)
Contrast ratio	65000 : 1 (Dynamic mode)	85 % (Lens Shift : center)
Uniformity	U/D : -100% - Center +100% (Max) R/L : -50% - Center +50% (Max)	F 2.0 - 3.0, f = 22.6 - 45.3 mm (0.9 - 1.8")
Up-Down / Right-Left ratio	40° - 300" (1.2 m wide - 18.4 m tele (3.9' wide - 60.4' tele))	100" at 3.0 m - 6.1 m (9.8' - 20.0')
Projection lens	1: 2.0 Manual driven	
Screen size	480i, 480p, 575i, 575p, 720p, 1080i, 1080p (HDMI™ / Component)	1080/ 24p (HDMI™)
HDTV signals	PAL / SECAM / NTSC / NTSC4.43 / PAL-M/N	Composite, S-Video, Component, HDMI
Color systems	Composite, S-Video, Component, HDMI	RCA Input : Video x 1, Y-Pb / Cb-Pr / Cr x 2
Video Signal	Mini DIN 4 pin : S-Video x 1	
Video Terminal	19 pin x 2 : HDMI™ 1.3 b (Deep Color, x.v.Color™)	19 pin x 2 : HDMI™ 1.3 b (Deep Color)
Computer compatibility	W-XGA/ S-XGA/ XGA/ S-VGA/ VGA/ MAC	
Computer Terminal	D-sub 15pin : Analog RGB	
Communication Terminal	DIN8pin (Service Port, RS-232C)	
Other Feature	Color Management, Rename menu, User logo	
Scanning frequency	H sync : 15-80 kHz, V sync : 50-100 Hz	Dot clock : 100MHz or less (Analog RGB/ Component)
Fan Noise	19 dBA (Lamp mode : Eco)	21 dBA (Lamp mode : Eco)
Voltage	100V-240V AC (auto voltage)	
Power consumption	257 W (Standby : 0.5 W)	246 W (Standby : 0.5 W)
Dimensions (W x H x D)	400,0 x 146,0 x 346,0 mm ( 15,7 x 5,8 x 13,6 inch ) (not including protruding parts)	
Weight	7,5 kg (16,5 lbs)	

Replacement Lamp type No : POA-LMP135 (610 344 5120)

#### 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.

#### Terminals\*

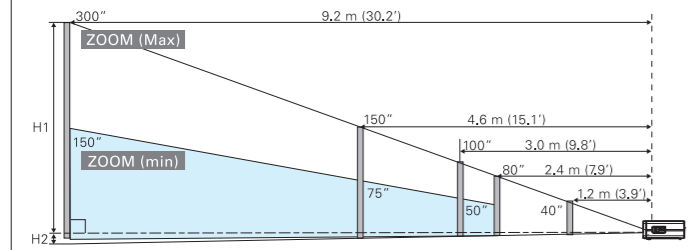


**HDMI** HDMI is a digital interface standard for AV equipment. It was adapted from DVI (Digital Visual Interface) display connection technology, which is based on TMDS (Transition Minimized Differential Signaling). Note: HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or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

#### Approximate throw distance / picture size\*

Screen size (inches)	80"	90"	100"	110"	120"	150"	300"
Zoom (max) Unite:m (feet)	2.4 (7.9)	2.7 (8.9)	3.0 (9.8)	3.3 (10.8)	3.7 (12.1)	4.6 (15.1)	9.2 (30.2)
Zoom (min) Unite:m (feet)	4.9 (16.1)	5.5 (18.0)	6.1 (20.0)	6.7 (22.0)	7.3 (24.0)	9.2 (30.2)	18.4 (60.4)

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



\*Common to PLV-Z3000/ PLV-Z700



All products manufactured by the Projector Division of SANYO's Digital System Company employ a quality management system that has undergone the inspection and registration process of the ISO 9001:2000 international standard.



SANYO's Digital System Company has received ISO 14001 certification for the environmental management system used in its factory.



Pixelworks ICs are used in this projector

<http://www.sanyo-lcdp.com/>

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

Distributed by:



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Digital System company

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SML120-1

# Think GAIA

For Life and the Earth



## Home Cinema Projector

PLV-Z3000  
PLV-Z700

When the light is dimmed, the screen overwhelms reality.

**FULL HD Z3000/Z700**

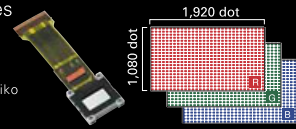


# The two Z series have been created for people who are uncompromising high definition cinema fans.

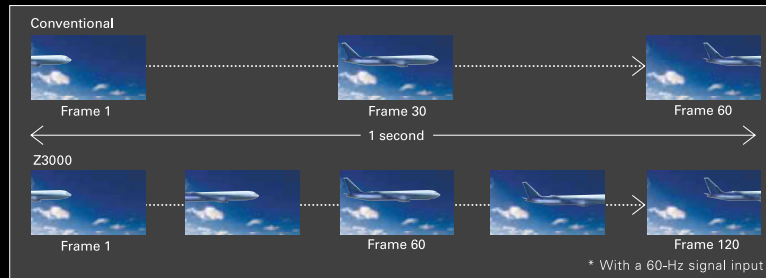
## Incredibly smooth video projection even in motion-intense scenes

### Sharper, Crisper Images. New Full-HD Panel

This new panel uses D7 processing technology to produce images in which the particles between pixels are virtually imperceptible, allowing the reproduction of extremely fine color variations. Also, the double speed drive provides smooth moving images with exceptional detail.

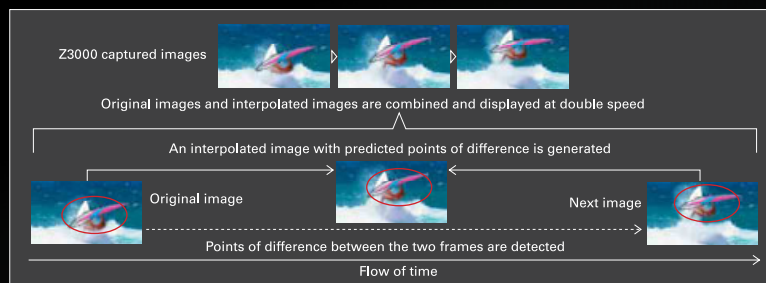


\* C<sup>2</sup>FINE is a registered trademark of Seiko Epson Corporation.



### Smooth Images with Minimal Afterimage. Smooth Motion Technology

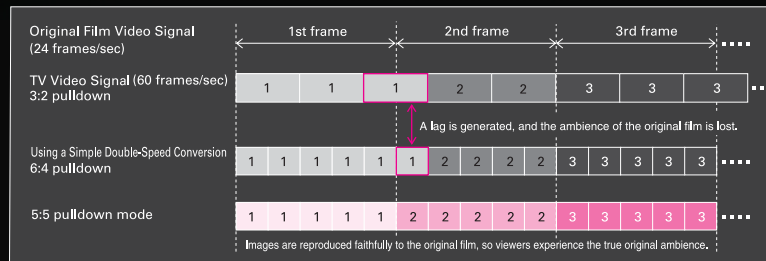
With the Z3000, there's no afterimage effect with fast-moving objects. Dynamic predictive frame interpolation technology analyzes the motion and speed of objects and generates a pseudo-image between consecutive frames, so projected images move smoothly and fluidly.



### Industry's first<sup>1</sup> 5:5 Pulldown Mode<sup>2</sup>

Five frames each of the 24 frames per second used to display movies in TV broadcasts or on DVDs are projected at 120 fps. This provides extremely nuanced reproduction that faithfully expresses the ambience of the original movie.

\*1 For projectors, as of September 16, 2008  
\*2 With a 60-Hz signal input  
\* Direct input of a 1080/24p or 720/24p signal results in 96-fps, 4:4 pulldown.

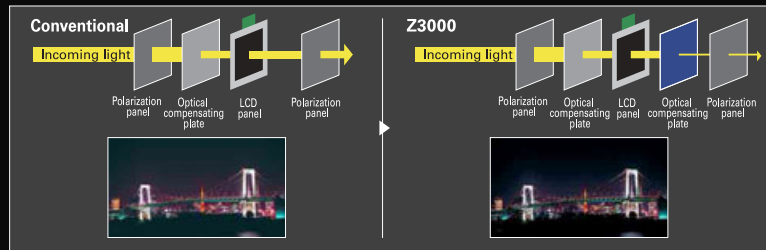


## Jet-black color reproduction

### High-Contrast 65,000 : 1 New Advanced Black Optical System

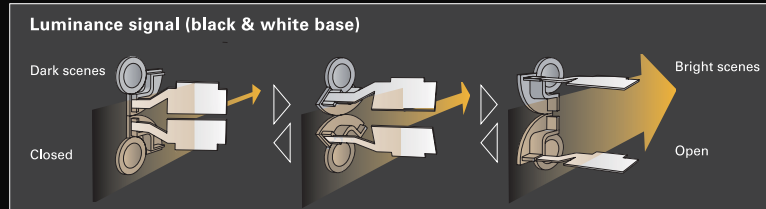
A new inorganic directional panel and new optical layout team up to reduce leakage of polarized wave lengths, dramatically improving native contrast. This synergistically combines with the iris mechanism to achieve outstanding 65,000:1 contrast. Black reproduction also has been greatly improved, so other colors stand out more vividly and images are extremely lifelike.

\* PLV-Z700: 10,000:1



### Incredibly Dynamic Images. New Variable Iris

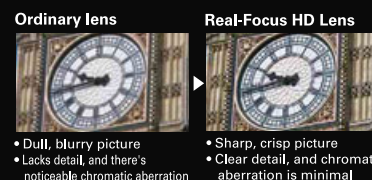
The new variable iris system analyzes the luminance signal every approx 1/60 of a second and adjusts the iris opening accordingly. It also analyzes the chrominance signal and matches the compensation with the image. This helps achieve crisper, more vivid images.



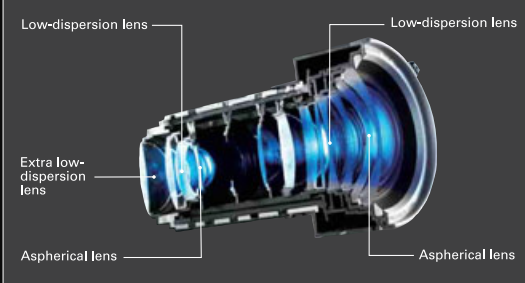
## Other Features to achieve more beautiful image

### Real-Focus Full-HD Lens

In developing the Z3000, SANYO paid utmost attention to lens performance. The result is a new high-resolution lens that delivers every piece of information embedded in full-HD video. Thanks to an extra-low-dispersion (ED) lens and aspherical lens elements, this advanced lens system dramatically reduces chromatic aberration to ensure optimal display of full-HD images. The lens also provides sharp focusing all the way to the image edges.



### Lens configuration



Deeper reproduction of color hues x.v.Color™ signal compatible

A Wide Color Gamut. Cinema Color Filter Mechanism

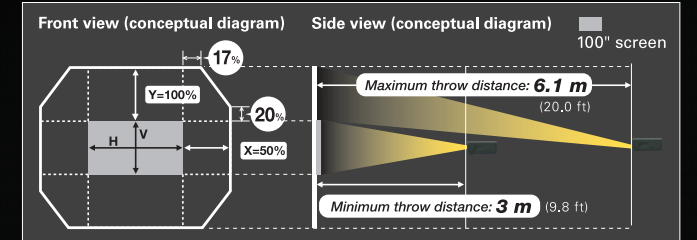
14-Bit Gamma and High-Quality Image Processing Circuitry 3D Color Management Advanced Mode Seven One-Touch Preset Modes

## Easy Setting & Comfortable

### Wide Lens Shift Range and 2x Zoom

The lens shift function has a wide adjustment range—three screens in the vertical direction (that is, it can shift the picture by an amount of the screen height both up and down from the middle position), and two screens horizontally (or 50% of the screen width to both the left and the right). Add the broad focal distance range provided by the large-diameter optical 2x zoom lens, and the Z3000/ Z700 boasts the industry's largest<sup>3</sup> installation range. The large full-horizontal/ full-vertical shift amount<sup>4</sup> offers especially high installation flexibility. With the Z3000/ Z700, the "install it anywhere" ideal is a big step closer to reality.

\*3 For a full-HD (1920 x 1080 pixel) projector, as of September 16, 2008 (SANYO survey) \*4 The total shift amount vertically (or horizontally) when the lens is shifted all the way horizontally (or vertically)



### Comprehensive Silencing. Silent Design Technology

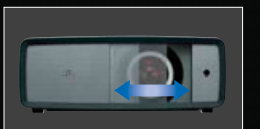
By redesigning the internal structure and employing a large-capacity fan, we reduced operating noise to a whisper-quiet 19 dB<sup>5</sup>. This means there's no distraction from projector noise even during quiet scenes, making it easy for viewers to get absorbed in the movie.

\*5 PLV-Z3000 (PLV-Z700: 21 dB), Lamp mode: eco mode



### 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.



Easy Maintenance GUI Menu and Rename Function



### Options

Replacement lamp



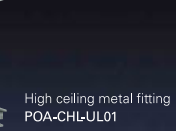
Ceiling mounting



Low ceiling metal fitting



High ceiling metal fitting



Installation example  
PLV-Z3000+POA-CHB-Z2+POA-CHS-US01



FULL HD 3LCD

PLV-Z3000

PLV-Z700