

6500:1 Superb Contrast Ratio with High-Brightness, High-Quality Picture Reproduction Plus DLP™ High-Reliability Performance



Cutting-Edge DLP™ Technology Provides High-Quality Picture



6500:1 High-Contrast Images

Employing a thoroughly developed optical engine with the reflective device of DMD™ that can prevent light from coming through by controlling mirror angles, the XV-Z3000 enhances fine, detailed differences between darkest and lightest colours and provides superior black level reproduction. Real blacks and clearly reproduced and subtle colours provide impressively beautiful pictures.

6500:1



Native 720p High Definition Capability

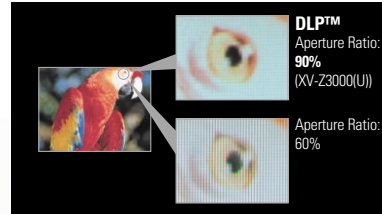
The XV-Z3000 provides high-quality images from DVD, HDTV and DTV (480P, 720P, 1080i, with 4:3 and 16:9 aspect ratios) by receiving RGB signals and component signals (Y, PB, PR).



DLP™ Digital Image

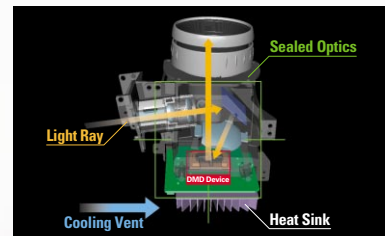
The XV-Z3000 utilizes the DLP™ chip from Texas Instruments with a resolution of 1,280 x 768. Using DMD, each pixel is individually composed of one of over a half a million micromirrors to produce a high resolution, and the micromirrors lie at an instance of merely one micron, providing a seamless finely detailed picture. Also, high-speed on/off switching delivers smooth moving scenes.

High-Resolution Seamless Image Comparison



Sealed Optics

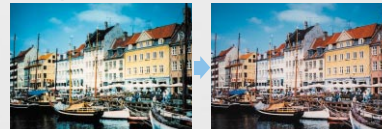
The optical mechanism of DLP™ system projectors is sealed in its structure, preventing dust, dirt and smoke from entering core parts of the optics. The system also needs no filter and less maintenance, resulting in lower cost of ownership and longer use.



Long-Life High-Performance DLP™ Picture

With DLP™ technology minimally absorbing high-output light, the projectors maintain uniform colour reproduction capability for a long period of time. Also, DMD™ silicon chip formation with finely structured mirrors provides stable performance and delivers high-quality pictures for longer periods. The DMD™ chip in the XV-Z3000 contributes to a long lifespan. In addition, because there is no burn-in or remaining afterimage, the projectors are ideal for still picture projection such as for guidance board applications and projecting CAD images.

DLP™ projection

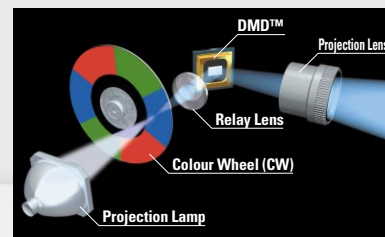


After 4,100 hours (The picture shows no significant deterioration even after using the DLP™ panel 4,100 hours.)

* By RIT/Munsell Colour Science Laboratory Test

5x Speed Colour Wheel

The colour wheel capable of 5x speed (by rotating the colour wheel with 6-part colour at 2.5x speed) renders colour breaking imperceptible to the human eye.



1200 ANSI Lumen in High Brightness Mode

Incorporating Sharp optoelectronics technology, the XV-Z3000 provides 1200 ANSI lumen brightness in high brightness mode to enjoy large-screen pictures.

High-Quality Digital Connection

HDMI Terminal*

Use of HDMI terminals, the interface for digital content, delivers all-digital projection from input straight through to the projected picture without picture loss, which usually occurs from A/D and D/A conversion or from digital cinemas using DLP™. As well, this helps to build a Home Theatre PC environment using a computer with a DVI output terminal for DVD entertainment.

* The HDMI terminal is for the video signal only.

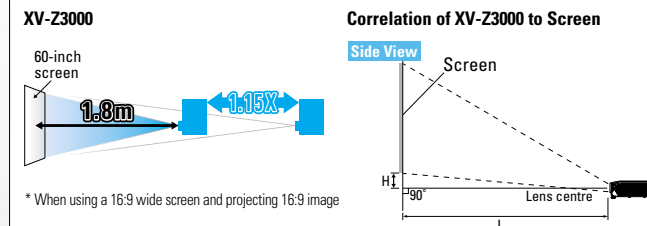


Rear Terminals

Home Theatre Performance and Convenience

Short Throw Lens (Optical 1.15x Zoom Lens)

The newly developed Short Throw Lens achieves 60-inch large screen projection even from the short distance of 1.8 m*. In addition, the projector can be mounted more flexibly with the 1.15x zoom lens.



* When using a 16:9 wide screen and projecting 16:9 image

Screen Size and Projection Distance

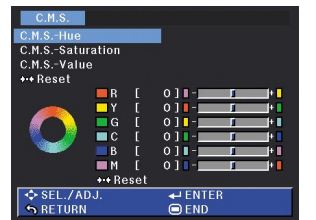
Diag. (inches)	Screen size		Projection distance (L)		Distance from the lens centre to the bottom of the image (H)
	Width (cm)	Height (cm)	Minimum	Maximum	
200	443	249	6.0 m	7.0 m	-36 cm
100	221	125	3.0 m	3.5 m	-18 cm
60	133	75	1.8 m	2.1 m	-11 cm
40	89	50	1.2 m	1.4 m	-7 cm

NORMAL Mode (4:3)

Diag. (inches)	Screen size		Projection distance (L)		Distance from the lens centre to the bottom of the image (H)
	Width (cm)	Height (cm)	Minimum	Maximum	
200	406	305	7.4 m	8.6 m	-44 cm
100	203	152	3.7 m	4.3 m	-22 cm
60	122	91	2.2 m	2.6 m	-13 cm
40	81	61	1.5 m	1.7 m	-9 cm

Colour Management System (C.M.S.)

Independently controls colour hue, chrome and brightness for the six RGBCMY colours (red, green, blue, cyan, magenta and yellow), enabling users to match the image quality to their preferences.



Back-lit Remote Control and Easy-to-Use Operation Buttons

The back-lit buttons and intuitive button layout make remote control smooth and easy even in dark rooms.



Control Panel

Other Outstanding Features

- BrilliantColor™ Function
- High-Powered 275 W Lamp with a long 3000-hour life
- 2D Digital Keystone Correction
- Colour Temperature Adjustment
- Gamma Correction Function
- Low Fan Noise: 30 dB (Low Power Mode)

