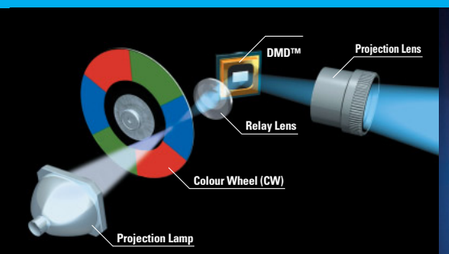
High Performance in Contrast, Brightness and Colour Reproduction — the New DLP™ Projector Creates Your Home Theatre

Utilizing the DLP™ HD2+ chip from Texas Instruments and with a resolution of 1280 x 720, the XV-Z2000 delivers high-brightness pictures of 2500:1[1] high contrast and 1200 ANSI lumen for home theatre entertainment.*



High Contrast Ratio of 2500:1*[1] in High Contrast Mode

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-Z2000 enhances fine, detailed differences between darkest and lightest colours and provides superior black level reproduction. Real blacks and clearly reproduced subtle colours provide impressively beautiful pictures.

*[1] Contrast ratio in High Contrast Mode.

1200 ANSI Lumen in High Brightness Mode

Incorporating Sharp optoelectronics technology, the XV-Z2000 provides 1200 ANSI lumen brightness in high brightness mode to enjoy large-screen pictures.

Native 720p High Definition Capability

The XV-Z2000 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).

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.

Long-Life DMD™ Panel

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-Z2000 achieves a lifetime of 20,000 hours*[2].

*[2] The lifespan is measured at the surrounding temperature of 25°C. This is a reference value and is not guaranteed.

5X Speed Colour Wheel

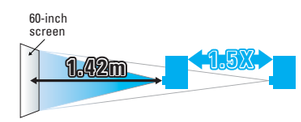
The colour wheel capable of x5 speed (by rotating the colour wheel with 6-part colour at x2.5 speed) renders colour breaking imperceptible to the human eye.

Home Theatre Performance and Convenience

Short Throw Lens (Optical 1.5X Zoom Lens)

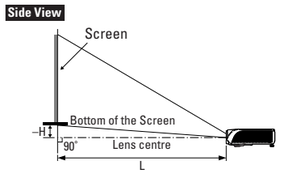
The newly developed Short Throw Lens achieves 60-inch large screen projection even from the short distance of 1.42 m. In addition, the projector can be mounted more flexibly with the 1.5x zoom lens.

XV-Z2000



Correlation of XV-Z2000 to Screen

Side View



Screen Size and Projection Distance

STRETCH Mode (16:9)

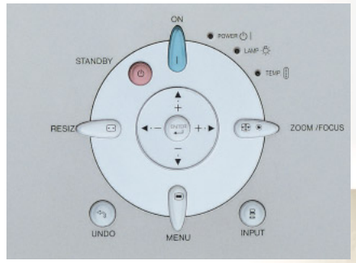
Screen size			Projection distance (L)		Distance from the bottom of the images to the lens center (–H)
Diag. (inches)	Width (cm)	Height (cm)	Minimum	Maximum	
200	443	249	5.29m	7.95m	8.3cm
100	221	125	2.62m	3.95m	4.2cm
60	133	75	1.55m	2.35m	2.5cm
40	89	50	1.01m	1.55m	1.7cm

NORMAL Mode (4:3)

Screen size			Projection distance (L)		Distance from the bottom of the images to the lens center (–H)
Diag. (inches)	Width (cm)	Height (cm)	Minimum	Maximum	
200	406	305	4.85m	7.29m	7.62cm
100	203	152	2.40m	3.62m	3.81cm
60	122	91	1.42m	2.15m	2.29cm
40	81	61	0.93m	1.42m	1.52cm

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

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



Control Panel

DVI/HDCP Terminal

Use of DVI-I terminals, the interface for digital content compatible with copy protection signals (HDCP), 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.

Rear Terminals

Other Outstanding Features

- **High-Powered 275W Lamp with a long 3000-hour life**
- **2D Digital Keystone Correction**
- **Colour Temperature Adjustment**
- **Gamma Correction Function**