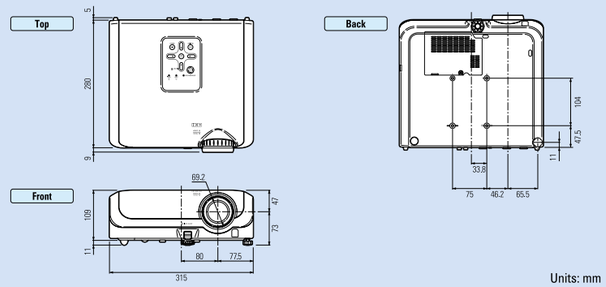
XV-Z3100

Dimensions



Optional Accessories

Lamp

AN-XR10L2

Adaptor

AN-A1RS
DIN-D-sub RS-232C
adaptor 5 57/64" (15 cm)

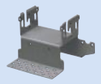
Cable

AN-C3CP2
3-RCA to 15-pin
D-sub cable 10' (3 m)

Ceiling Mounts

AN-TK201
For high ceiling
installation

AN-TK202
For standard
ceiling installation



AN-60TK
Installation adaptor

Note: Some of the optional accessories may not be available depending on the region.
Please check with your nearest Sharp Authorized Projector Dealer or Service Center.

Specifications

Model	XV-Z3100
Device	0.62" DLP® Chip (1,280 x 720)
Horizontal resolution	720 TV lines (DTV 720P input), 520 TV lines (video input)
HDTV compatibility*1	1080i (in intelligent compression), 720P, 576P, 576i, 480P, 480i
Computer RGB input signals	XGA, SVGA, VGA, Mac 19"/16"/13"
Video colour systems	NTSC/NTSC4.43/PAL/PAL(60Hz)/PAL-M/PAL-N/SECAM
Lens	1:1.15 manual zoom and focus
Projection size	40" – 300"
Projection distance	3.0 – 3.45 m for 16:9 wide 100" screen
Luminance	1,000 ANSI Lumen (in High-Brightness Mode)
Contrast ratio	6,500:1 (in High Contrast Mode)
Input terminals	3RCA (component) x 2, RCA video x 1, S-video x 1, HD-15 (RGB/component) x 1 HDMI (digital video component & RGB) x 1
Power source	AC 100-240 V, 50/60 Hz (multi-voltage)
Power consumption	303 W (standby 4.0 W) with AC 100 V
Fan noise	33 dB (Standard Mode), 29 dB (Low Power Mode)
Projection lamp	220 W (SHP)
Lamp life*2	3,000 hours (Low Power Mode)
Dimensions (W x H x D)	315 x 120 x 294 mm (including adjuster legs and lens), 315 x 109 x 280 mm (main body only)
Weight	4.0 kg (including adjuster legs and lens)
Supplied accessories	Lens cap, power cord, back light remote control

Design and specifications are current as of December 2006, but are subject to change without notice.
*1 High Definition Television (HDTV) Monitor: Defined by CEA (Consumer Electronics Association, USA) to designate a 16:9 aspect ratio monitor or display with active vertical scanning lines of 720 progressive (720p) and higher.
*2 The lamp life may vary depending on the usage condition.
* DLP® and the DLP logo are registered trademarks of Texas Instruments.

SHARP
SHARP CORPORATION OSAKA, JAPAN
URL http://www.sharp-world.com/

SHARP

XV-Z3100
High-Definition DLP® Home Theatre Projector

High-Definition DLP® Projector Provides Amazingly High 6500:1 Contrast Ratio and Expands Home Theatre Entertainment!

PICTURE BY DLP TEXAS INSTRUMENTS

HD ready
(Europe only)

SHARP VISION

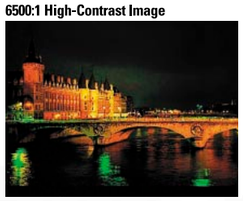
6500:1 Superb Contrast Ratio with High-Brightness, High-Quality Picture Reproduction Plus DLP® High-Reliability Performance

Cutting-Edge DLP® Technology Provides High-Quality Picture

6500:1 High-Contrast Images

Employing a thoroughly developed optical engine with the reflective device of DLP® chip that can prevent light from coming through by controlling mirror angles, the XV-Z3100 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.

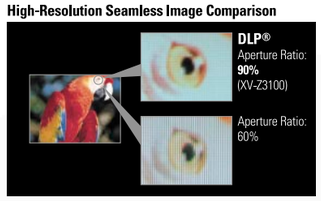
6500:1 High-Contrast Image



DLP® Digital Image

The XV-Z3100 utilizes the DLP® chip from Texas Instruments with a resolution of 1,280 x 720. Using this chip, 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

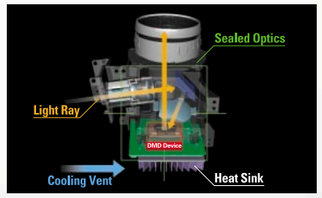


Native 720p High Definition Capability

The XV-Z3100 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

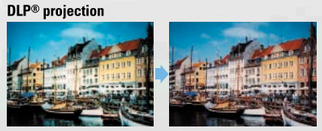
The optical mechanism of DLP® system projectors is sealed in its structure, preventing dust, dirt and smoke from entering core parts of the optics. The system also needs no filter and less maintenance, resulting in lower cost of ownership and longer use.



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, DLP® chip formation with finely structured mirrors provides stable performance and delivers high-quality pictures for longer periods. The DLP® chip in the XV-Z3100 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

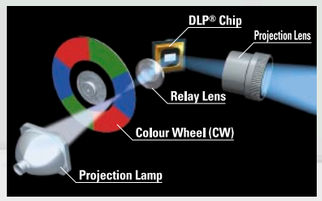


After 4,100 hours
(The picture shows no significant deterioration even after using the DLP® chip 4,100 hours.)

* By RIT/Munsell Color 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.



1000 ANSI Lumen in High Brightness Mode

Incorporating Sharp optoelectronics technology, the XV-Z3100 provides 1000 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®.

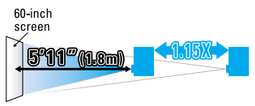
Rear Terminals

Home Theatre Performance and Convenience

Short Throw Lens (Optical 1.15x Zoom Lens)

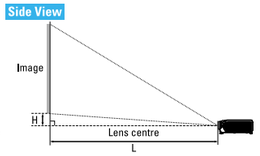
The newly developed Short Throw Lens achieves 60-inch large screen projection even from the short distance of 5'11" (1.8 m)*. In addition, the projector can be mounted more flexibly with the 1.15x zoom lens.

XV-Z3100



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

Correlation of XV-Z3100 to Screen



Screen Size and Projection Distance

STRETCH Mode (16:9)

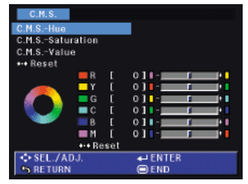
Diag. (inches)	Screen size Width	Screen size Height	Projection distance (L) Minimum	Projection distance (L) Maximum	Distance from the lens centre to the bottom of the image (H)
200	443 cm	249 cm	6.0 m	7.0 m	36 cm
100	221 cm	125 cm	3.0 m	3.5 m	18 cm
60	133 cm	75 cm	1.8 m	2.1 m	11 cm
40	89 cm	50 cm	1.2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

SIDE BAR Mode (4:3)

Diag. (inches)	Screen size Width	Screen size Height	Projection distance (L) Minimum	Projection distance (L) Maximum	Distance from the lens centre to the bottom of the image (H)
200	406 cm	305 cm	7.4 m	8.6 m	44 cm
100	203 cm	152 cm	3.7 m	4.3 m	22 cm
60	122 cm	91 cm	2.2 m	2.6 m	13 cm
40	81 cm	61 cm	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 light buttons and intuitive button layout make remote control smooth and easy even in dark rooms.

Control Panel

Other Outstanding Features

- BrilliantColor™ Function
- High-Powered 220 W Lamp with a long 3000-hour life
- Digital Keystone Correction "Geometric Adjustment"
- Colour Temperature Adjustment
- Gamma Correction Function
- Low Fan Noise: 29 dB (Low Power Mode)