SHARP

XV-Z12000

HDTV*[1] Digital Home Theatre Projector

NEW PRODUCT PREVIEW

For internal use only

The Highest Peak of Home Theatre Enjoyment with Exceptional Contrast and Black Level

- High Contrast Image: contrast ratio of 5500:1 (in High Contrast Mode)
- 900 ANSI Lumen Brightness (in High Brightness Mode)
- "HD2+" Technology contributes to raise overall optical performance
- Powered Iris Switchover Function
- Three Primary Colour/7 Segment 5x-Speed Colour Wheel achieves flickerless, high-grade picture and natural colour reproduction
- 10-bit Green Processing minimizes the bit noise in low level signal
- DVI/HDCP Terminal realizes all digital projection
- True 720P High Resolution Images fully compatible with HDTV 720P signal
- Switchable Screen with 4:3 and 16:9 aspect ratios
- Sharp Original Image Processing IC (New Progressive Mode, Pattern Matching I/P Conversion, New Digital Noise Reduction Circuit)
- Film Mode beautifully reproduces movie film recorded in 24Hz progressive format
- 61-Step Colour Temperature Adjustment
- 6-Position Picture Setting Memory Function
- "Film Tone" Mode reproduces film-like atmosphere
- Colour Management System
- User Customisable RGB Gamma Adjustment Functions
- RGB Independent Brightness and Contrast Adjustment
- 1 : 1.35 Manual Zoom Lens
- Lens Shift Functions simplify installation adjustments
- Active Digital Keystone Correction
- Sealed Optics enable longer use and reduce maintenance costs

SHARP VISION™

900 ANSI LUMEN

5500:1 HIGH CONTRAST

True 720P Resolution

DTV HDTV COMPATIBLE

PRIMARY COLOUR 5x SPEED COLOUR WHEEL

SHARP-IC TECHNOLOGY

PROGRESSIVE MODE

3D NOISE REDUCTION

3D Y/C SEPARATION

MULTI SYSTEM

MULTI VOLTAGE

SXGA INTELLIGENT COMPRESSION

300" 7.6 m

Table Top

Ceiling

High-Mount

LENS SHIFT

ACTIVE KEYSTONE

Graphic User Interface

PICTURE BY DLP™ A TEXAS INSTRUMENTS TECHNOLOGY

Specifications (tentative)	
DMD chip	0.8" (2.0cm) 1280 x 720 dots HD2+ Digital Micromirror Device™ (DMD™) x1
Number of pixels	2,764,800 pixels (921,600 dots x 3, in stripe pixel arrangement)
Resolution	580 TV lines, 960 dots x 720 lines (computer data)
HDTV Compatibility	1080i (in intelligent compression), 720p, 480i/p
Computer RGB input signals	SXGA, XGA, Mac 21", 19" (in intelligent compression), SVGA, VGA, VESA, Mac 16"/13" 15-91 kHz (horizontal), 43-85 Hz (vertical), 12-135 MHz (pixel clock) (plug & play VESA; DDC 1/2B)
Video colour systems	NTSC/NTSC 4.43/PAL/PAL (60Hz)/PAL-M/PAL-N/SECAM
Lens	1:1.35 manual zoom and focus
Lens shift	Manual optical lens shift
Projection size	25" - 300"
Projection distance	40" (102cm): 5'3" - 7'1", 100" (252cm): 13'2" - 17'9", 200"(504cm), 200" (504cm): 26'3" - 35'5"
Luminance	900 ANSI Lumen (in High Brightness Mode)
Contrast ratio	5500:1 (in High Contrast Mode)
	Component / RGB x 2 (5RCA), Video x 1 (RCA), S-video x 1,
Input terminals	DVI-I/HDCP (Component and Digital/Analog RGB) x 1
Output terminals	DC12V x 1
Power source	100-240V AC, 50/60Hz (multi-voltage)
Power consumption	365W (0.1 W, standby power)
Projection lamp	270W SHP lamp
Dimensions (W x H x D)	18.7" x 7" x 16" (475 x 178 x 406mm) (main body only)
	18.6" x 7" x 19.5" (475 x 178 x 406mm) (including terminal cover)
Weight	20.7 lbs (9.4kg)

[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.

• Design and specifications are current as of November 2003, but are subject to change without notice.