JVC

The Perfect Experience

New Color, JVC-DLA-RS50 3D Enabled Reference Series Projector, Remarkable 70,000:1 Native Contrast Ratio for film-like Images!

Extraordinary Film-like Images

- Native contrast ratio 70,000:1
- Adobe RGB for a broader color reproduction spectrum
- JVC's exclusive Real Color Imaging Technology
- Color temperature setting of a Xenon lamp
- New Clear Motion Drive enhances scenes with rapid movement

Picture Quality Enhancement Features

- New Color Management System with a 7-axis matrix
- JVC original Film Tone
- New Screen Adjustment Mode
- Darkness and lightness correction

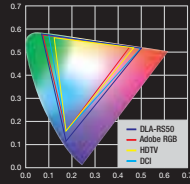*REFERENCE*SERIES D-ILA 3D THX3D DISPLAY isf ccc

Reproduce the blackest blacks and whitest whites in every frame.

▌ Adobe RGB for a broader color reproduction spectrum

The new optical engine employs an innovative color filter that helps to ensure full-spectrum color reproduction with complete coverage of different color spaces such as Adobe RGB, DCI, and HDTV. With this increase in color space, the new optical engine can more vividly reproduce colors such as the green of trees, the blue of oceans, etc., which were difficult to recreate accurately up until now.
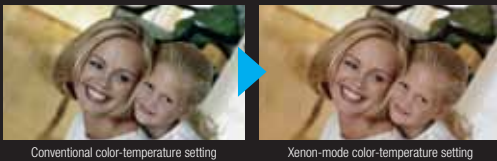

Legend:
- DLA-RS50
- Adobe RGB
- HDTV
- DCI

▌ JVC's exclusive Real Color Imaging Technology

JVC focused on enhancing color space information to ensure that all images are reproduced faithfully to the film creator's intentions. By analyzing color information of original film prints to create original color profiles, JVC's exclusive Real Color Imaging Technology precisely detects the color specifications of film to not only optimize color replication, but also heighten picture quality to levels beyond expectations. What's more, Real Color Imaging Technology incorporates a color-temperature setting mode equivalent to that of a Xenon lamp, the light source used in cinema projectors. The Xenon-mode enables the authentic reproduction of colors similar to that of film in cinemas, while using highly efficient and economical ultra-high pressure mercury lamps.

Conventional color-temperature setting

Xenon-mode color-temperature setting

▌ D-ILA image projection in 3D*

It is now possible to enjoy the excitement of 3D stereoscopic images in the comfort of one's living room without using a special screen, as the DLA-RS50 projector features 3D that can be viewed with 3D Active Shutter glasses. Additionally, the fast-response characteristics and picture quality offered by D-ILA technology allow viewers to enjoy vivid and colorful 3D images with far less crosstalk or image ghosting.

*Optional 3D Glasses (PK-AG1) and 3D Synchro Emitter (PK-EM1) are required for viewing images in 3D.
Note: Keystone, anamorphic mode, and certain other functions cannot be used while projecting in 3D mode.

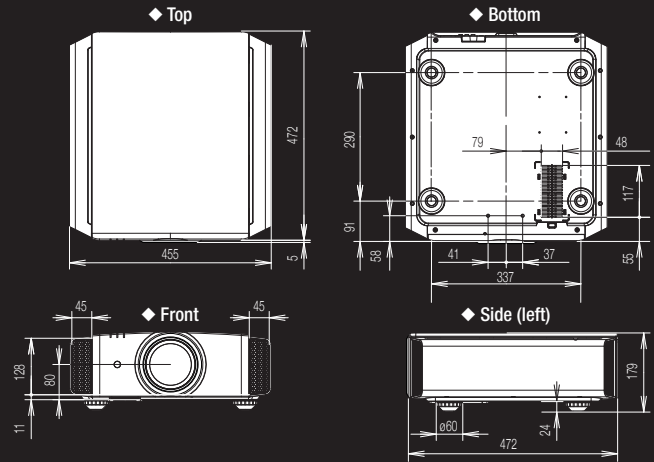## ▌ The world's first projector to pass THX 3D Display Certification*

The DLA-RS50 is the world's first projector to be accredited for the THX 3D Certification. During the THX 3D Certification process, more than 400 laboratory tests are conducted, evaluating the projector's color accuracy, cross-talk, viewing angles and video processing to ensure the high quality 3D and 2D display performance that home theatre enthusiasts demand today. Featuring THX Cinema Mode, this projector has a simple, one button solution for optimized playback of 3D and 2D movies on Blu-ray Disc and broadcast TV. Additionally, the projector can be professionally calibrated by trained dealers to the user's choice of screen surfaces in the THX Mode.

* As of November 1, 2010 under the front projector category. Best performance screen size for 3D is 90 inches diagonal (16:9).

▌ An Array of Convenient Features

The DLA-RS50 features a number of unique and convenient features. Inputs and outputs include two HDMI Ver.1.4a standard inputs, a LAN terminal for projector control, remote terminals, and a trigger terminal, to name a few. The lens is equipped with an automatic lens cover to protect against dust or damage, and best of all ±80% vertical and ±34% horizontal powered lens-shift function guarantees flexible installation.

▌ External Dimensions (Unit: mm)

◆ Top

◆ Bottom

◆ Front

◆ Side (left)

▌ Projector Throw Distance Chart

Screen Size (16:9)			Projector Throw Distance	
Screen diagonal (inch)	Width (inches)	Height (inches)	Wide (feet)	Tele (Feet)
60	52.28	29.41	5.84	12.01
70	60.98	34.33	6.86	14.04
80	69.72	39.21	7.87	16.04
90	78.43	44.13	8.86	18.08
100	87.17	49.02	9.88	20.11
110	95.87	53.94	10.86	22.15
120	104.57	58.82	11.88	24.15
130	113.31	63.74	12.86	26.18
140	122.01	68.62	13.88	28.22
150	130.71	73.54	14.86	30.25
160	139.45	78.43	15.88	32.28
170	148.15	83.35	16.86	34.28
180	156.85	88.23	17.88	36.32
190	165.59	93.15	18.86	38.32
200	174.29	98.03	19.88	40.35

*Lens Zoom Range: 1.4 - 2.8:1 ± 5% Design Tolerance. Projector Throw Distance = Screen Width x Zoom Lens Setting
Example 100 Inch Wide Screen (Lens in Wide Position) 100"*1.4=140 or 140" TD. Example 100 Inch Wide Screen (Lens in Tele Position) 100"*2.8=280 or 280" TD

▌ Terminals on the Rear

▌ Optional Equipment

PK-L2210UP
User-replaceable Lamp

PK-AG1
3D Glasses

PK-EM1P
3D Synchro Emitter

▌ Specifications

	DLA-RS50
Device	0.7-inch D-ILA x3
Resolution	Full HD D-ILA device (1920 x 1080)
Lens	2 x motorized zoom / focus; f=21.4mm - 42.8mm; F=3.2 - 4
Projection size	60 - 200 inches (screen diagonal)
Lens shift function	±80% Vertical and ±34% Horizontal (motorized)
Light source lamp	220W Ultra-High Pressure Mercury Lamp (lamp life: approx. 3000 hours when the lamp is in Normal mode)
Contrast ratio	Native: 70,000:1
Input terminals	Component x 1 (RCA; Y, P_B/C_B, P_R/C_R), HDMI x 2 (Ver.1.4a, 3D, Deep Color, CEC compatible), Analog RGB for PC x 1 (D-sub 15-pin)
Output terminals	Trigger x 1 (mini jack, DC 12V/100mA), 3D sync x 1 (mini DIN 3-pin)
Control terminals	RS-232C x 1 (D-sub 9-pin), Remote x 1 (mini jack), LAN (RJ-45) x 1
Video input signal formats	Digital: 480i/p, 576i/p, 720p 50/60, 1080i 50/60, 1080p 24/50/60; Analog: 480i/p, 576i/p, 720p 50/60, 1080i 50/60
PC input signal	HDMI: VGA, SVGA, XGA, WXGA, WXGA+, SXGA, WSXGA+, WUXGA; Analog RGB (D-sub 15-pin): VGA, SVGA, XGA, WXGA, WXGA+, SXGA, SXGA+, WSXGA+, 1920 x 1080, MAC 13", 16", 19"
3D format	Frame Packing: 1080p 24, 1080i 50/60, 720p 50/60; Side-by-Side: 1080p 50/60, 1080i 50/60; Top-and-Bottom: 1080p 24, 720p 50/60
Noise level	20dB (in Normal mode)
Power requirement	AC 110V-240V, 50/60 Hz
Power consumption	350W (Stand-by: 0.9W)
Dimensions: W x H x D	17.9 x 7 x 18.6 in
Weight	33.29 lb

Notes about viewing 3D video content
● The optional 3D Synchro Emitter and 3D glasses are required to view 3D images from the DLA-RS50. 3D video software (3D media or out put of 3D broadcasts) and a 3D-compatible video player are also required. ● Perception of 3D images will vary with individual viewers. ● Stop viewing 3D images immediately if any discomfort such headaches, dizziness, eye fatigue, etc. occur. ● Viewing of 3D images by children under the age of five is not recommended. ● Read the Safety Precautions in the User Manual carefully before viewing any 3D source.

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