

JVC®

The Perfect Experience / —

DLA-RS50

3D Ready D-ILA Projector

New Optical Engine, Real Colour Imaging Technology, and Remarkable 70,000:1 Native Contrast Ratio for Cinema-like Images!



Extraordinary Cinema-like Realism

- Native contrast ratio 70,000:1
- 1,300lm brightness
- Adobe RGB for a broader colour reproduction spectrum
- JVC's exclusive Real Colour Imaging Technology
- Colour temperature setting of a Xenon lamp
- New Clear Motion Drive enhances scenes with rapid movement

Picture Quality Enhancement Features

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

D-ILA®



THX 3D
DISPLAY

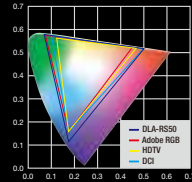


Exquisitely Natural Textures and Film-like Picture Quality — JVC's New DLA-RS50 is True To Life.



■ Adobe RGB for a broader colour reproduction spectrum

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



■ 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 colourful 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.

■ JVC's exclusive Real Colour Imaging Technology

JVC focused on enhancing colour space information to ensure that all images are reproduced faithfully to the film creator's intentions. By analysing colour information of original film prints to create original colour profiles, JVC's exclusive Real Colour Imaging Technology precisely detects the colour specifications of film to not only optimise colour replication, but also heighten picture quality to levels beyond expectations. What's more, Real Colour Imaging Technology incorporates a colour-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 colours similar to that of film in cinemas, while using highly efficient and economical ultra-high pressure mercury lamps.



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



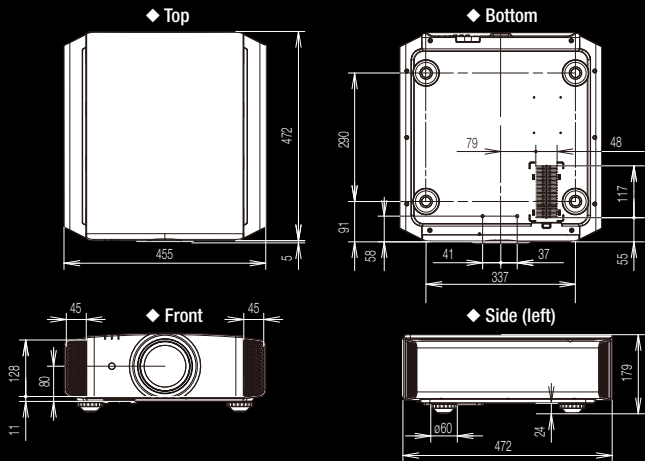
The DLA-RS50 is the world's first projector to be accredited for the THX 3D Certification. During the THX 3D Certification process, more than 400 laboratory tests are conducted, evaluating the projector's colour accuracy, cross-talk, viewing angles and video processing to ensure the high quality 3D and 2D display performance that home theatre enthusiasts demand today. Featuring THX Cinema Mode, this projector has a simple, one button solution for optimised 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)



■ Terminals on the Rear



■ Optional Equipment



■ Projection Distance Chart

Screen diagonal (inch)	Display size (16:9)		Projection distance	
	W (mm)	H (mm)	Wide (m)	Tela (m)
60	1,328	747	1.78	3.66
70	1,549	872	2.09	4.28
80	1,771	996	2.40	4.89
90	1,992	1,121	2.70	5.51
100	2,214	1,245	3.01	6.13
110	2,435	1,370	3.31	6.75
120	2,656	1,494	3.62	7.36
130	2,878	1,619	3.92	7.98
140	3,099	1,743	4.23	8.60
150	3,320	1,868	4.53	9.22
160	3,542	1,992	4.84	9.84
170	3,763	2,117	5.14	10.45
180	3,984	2,241	5.45	11.07
190	4,206	2,366	5.75	11.68
200	4,427	2,490	6.06	12.30

*Projection distances are design specifications, so there is ±5% variation.

■ Specifications

	DLA-RS50
Device	0.7-inch D-ILA x3
Resolution	Full HD D-ILA device (1920 x 1080)
Lens	2 x motorised 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 (motorised)
Light source lamp	220W Ultra-High Pressure Mercury Lamp (lamp life: approx. 3000 hours when the lamp is in Normal mode)
Brightness	1,300lm
Contrast ratio	Native: 70,000:1
Input terminals	Component x 1 (RCA; Y, Pb/Cb, Pr/Ca), HDMI x 2 (Ver.1.4a, 3D, Deep Colour CEC compatible), Analogue 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	Digital: 480i/p, 576i/p, 720p 50/60, 1080i 50/60, 1080p 24/50/60;
signal formats	Analogue: 480i/p, 576i/p, 720p 50/60, 1080i 50/60
PC input signal	HDMI: VGA, SVGA, XGA, WXGA, WXGA+, SXGA, WSXGA+, WUXGA; Analogue 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	455 x 179 x 472 mm
Weight	15.1 kg

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 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 as 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.

• The projector is equipped with an ultra-high pressure mercury lamp, which may break, emitting a loud noise, when it is subjected to shock or after it has been used for some length of time. • Please note that, depending on how the projector is used, there can be considerable difference between individual lamps regarding how many hours they will operate before requiring replacement. • An additional payment is required for installation of a new lamp, if necessary. • The projector lamp requires periodic replacement and is not covered by warranty. • Please be aware that, because the D-ILA device is manufactured using highly advanced technologies, 0.01% or fewer of the pixels may be non-performing (always on or off). Design and specifications are subject to change without notice. All pictures on this brochure are simulated. Adobe is a trademark or registered trademark of Adobe Systems Incorporated in the U.S. and/or other countries. ISF is a registered trademark of Imaging Science Foundation, Inc. THX and THX logo are trademarks of THX Ltd., which may be registered in some jurisdictions. HDMI, the HDMI logo and High-Definition Multimedia Interface are registered trademarks of HDMI Licensing LLC. All other brands or product names may be trademarks and/or registered trademarks of their respective owners. Any rights not expressly granted herein are reserved.

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