

Carefully Balanced Technologies for
Superb Picture Quality in Any Viewing
Environment



- **1,300-lumen** brightness level and **50,000:1** native contrast ratio
- Bright, high-definition 3D picture without crosstalk made possible by D-ILA
- 2D-3D conversion creates dynamic 3D video content from 2D video sources
- Convenient lens memory function
- 16-step aperture function adjusts brightness
- Pixel Adjust function corrects colour distortion in 1-pixel increments
- 2X motorised zoom lens for flexible installation
- Screen Adjustment modes (3 modes)
- Clear Motion Drive ensures smoother picture reproduction



1300-lumen Brightness and Native Contrast Ratio of 50,000:1

In order to ensure excellent picture quality even in brightly lit living rooms, the DLA-RS45 offers both a brightness level of 1300 lumens and a 50,000:1 native contrast ratio. When these features are combined with JVC's D-ILA device that eliminates adverse screen effects, viewers can always enjoy bright, vivid, and crystal-clear image reproduction.

Three Screen Adjustment Modes*

The Screen Adjustment modes on the DLA-RS45 analyze the RGB reflective characteristics of the screen being used to ensure optimum correction levels. Viewers can select from one of three parameters to achieve an outstanding picture with natural colour balance.

*Please refer to the JVC website for a comparison table of primary screens and adjustment modes.

Lens Memory Function

This function records up to three separate lens adjustments for zoom, shift and focus that can be easily recalled when needed. Focus, zoom (size) and shift (display position) characteristics can be recorded for video content in different aspect ratios such as when using a CinemaScope screen size (2.35:1) or standard 16:9 screen and readily switched between each setup via the remote controller.

Lens memory examples (when using CinemaScope screen)



Memory 1: Standard 16:9



Memory 2: CinemaScope size



Memory 3: CinemaScope size with subtitles outside of the screen

D-ILA 3D Projection*

JVC's original D-ILA driving method reproduces superlative 3D content with vivid colours and helps to reduce crosstalk. But best of all, DLA-RS45 is also equipped with other innovative 3D functions.

• **Crosstalk Cancelling:** The innovative Crosstalk Cancelling function significantly reduces crosstalk from intensity levels that are likely to generate this phenomenon by first analyzing the video signal for the left and right eyes and then correcting the levels via an original algorithm. This ensures the reproduction of more natural and clearer images that are easier on the eyes to heighten the viewing enjoyment of realistic 3D video content.



Crosstalk Cancelling OFF

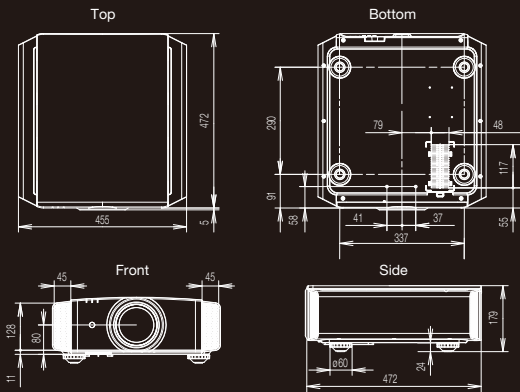
Crosstalk Cancelling ON

• **2D-3D Conversion:** The real-time 2D-3D converter featured on JVC's IF-2D3D1 Professional 3D Image Processor has been modified for home projector use and is now featured on the DLA-RS45. This means that 2D video recorded on camcorders and from TV broadcasts can be converted into 3D video instantaneously for home stereoscopic viewing enjoyment. Other adjustment functions are available such as Depth Adjustment for matching 3D effects to the original source or viewer preferences, and adjustment of subtitle distortion that can be generated during 2D-3D conversion.



*The optional 3D Synchro Emitter and 3D glasses are required to view 3D images.

External Dimensions (unit: mm)



Optional Equipment



User-replaceable Lamp
PK-L2210U



3D Synchro Emitter
PK-EM1



3D Glasses
PK-AG1
Battery-operated Type



3D Glasses
PK-AG2
Rechargeable Type

Connectors



Specifications

		DLA-RS45
Device		0.7 inch Full HD D-ILA (1920 x 1080) x3
Resolution		1920 x 1080
Lens		2X Zoom & Focus: Motorised f=21.4-42.8mm / F=3.2-4
Lens Shift		±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: 50,000:1
Connectors	Component	1 (RCA: Y, Pb/Cb, Pr/Cr)
	HDMI	2 (3D/Deep Colour/CEC compatible)
	RS-232C	1 (D-sub 9pin)
	LAN (RJ-45)	1
	Trigger	1 (Mini jack, DC12V/100mA)
	Remote	1 (Mini jack)
	3D Sync	1 (Mini Din 3pin)
Video Input Signal Format	Digital	480i/p, 576i/p, 720p 60/50, 1080i 60/50, 1080p 60/50/24
	Analog	480i/p, 576i/p, 720p 60/50, 1080i 60/50
PC Input Signal Format	HDMI	VGA/SVGA/XGA/WXGA/WXGA+/SXGA/WSXGA+/WUXGA
	Frame Packing	720p 60/50, 1080p 24, 1080i 60/50
3D Format	Side-by-Side (half)	720p 60/50, 1080p 60/50, 1080i 60/50
	Top & Bottom	720p 60/50, 1080p/24
Noise		20dB (Lamp normal mode)
Power Requirement		AC 110-240V, 50/60Hz
Power Consumption		330W (Stand-by: 0.8W)
Dimensions		455x179x472 mm
Weight		14.9kg

* Measurement, measuring conditions, and method of notation all comply with ISO 21118.

Projection Distance Chart

Screen diagonal (inch)	Display size (16:9)			Projection distance	
	W (mm)	H (mm)	Wide (m)	Tele (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	8.59	
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.

Notes about viewing 3D video content

- The optional 3D Synchro Emitter and 3D glasses are required to view 3D images. 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 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. HDMI, the HDMI logo and High-Definition Multimedia Interface are registered trademarks of HDMI Licensing LLC. All other brand or product names may be trademarks and/or registered trademarks of their respective owners. Any rights not expressly granted herein are reserved.

Copyright © 2011, JVC KENWOOD Corporation. All Rights Reserved.

JVC

DISTRIBUTED BY

www.jvcpro.eu
www.jvc-asia.com

Printed in Japan
CCN-3715-21

"JVC" is the trademark or registered trademark of JVC KENWOOD Corporation.