

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



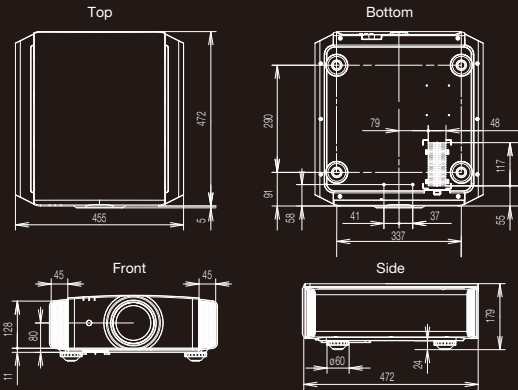
Crosstalk Cancelling ON

• **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)



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.

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.

• 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).

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4K Resolution and **80,000:1**
Native Contrast Ratio Ensure Film-like
Image Reproduction



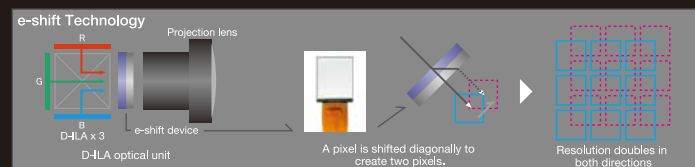
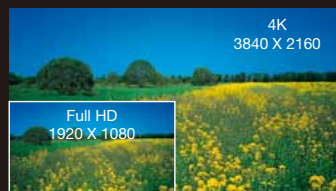
- **4K** (3,840 x 2,160 pixels) D-ILA projector
- High native contrast ratio of **80,000:1**
- Minimised crosstalk for brighter, more realistic 3D picture
- 2D-3D conversion creates dynamic 3D video content from 2D video sources
- JVC original Real Colour Imaging Technology
- Various picture adjustment functions ensure a high-quality picture
- Screen Adjustment modes (101 modes*)
- Convenient lens memory function
- Pixel Adjust function corrects colour distortion in 1/16-pixel increments
- Motorised lens cover automatically opens or closes the lens

*Capable of increasing up to 255 modes with firmware upgrade.



Super High-definition 4K Projection

A newly developed optical engine incorporating three D-ILA devices and the new e-shift technology, which shifts one pixel for every 0.5 pixels, are used together to realize super high-definition 4K-resolution (3,840 x 2,160 pixel) projection. Unlike ordinary resolution-upscaling technology employed on full HD projectors, 4K projection with e-shift technology dramatically improves picture quality by ensuring exceptionally precise images with ample presence.



Native Contrast Ratio of 80,000:1

A high native contrast of 80,000:1 has been achieved on the DLA-RS55 through an improved optical engine employing original D-ILA devices and a wire grid. A wide dynamic picture range from peak whites to deep blacks also helps to ensure superb picture quality with a heightened sense of immersion and depth.



Real Colour Imaging Technology

Real Colour Imaging Technology incorporates an exclusive Colour Profile created by precisely analyzing colour information from original film prints, a Wide Colour Space broader than Adobe RGB, and a Xenon-lamp Colour Temperature Setting equivalent to a Xenon lamp to optimize colour replication and heighten picture quality to recreate 3D content that is as faithful to the original source as possible.



Conventional colour temperature setting



Xenon-mode colour temperature setting

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-RS55 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

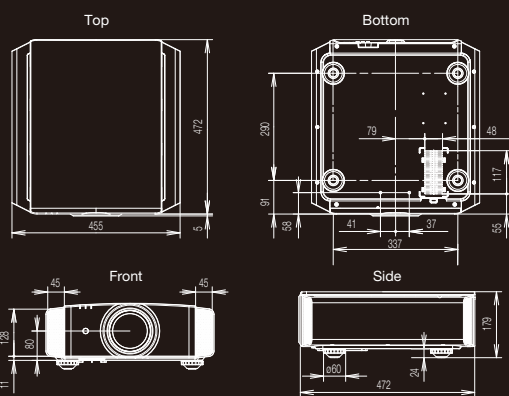


Crosstalk Cancelling ON

• **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-RS55. 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)



Projection Distance Chart

Display size (16:9)			Projection distance	
Screen diagonal (inch)	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	8.60
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 $\pm 5\%$ 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).

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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-RS55
Device		0.7 inch Full HD D-ILA (1920 x 1080) x3
e-shift Technology		Yes
Resolution		3840 x 2160**
Lens		2X Zoom & Focus: Motorised f=21.4-42.8mm / F=3.2-4
Lens Shift		$\pm 80\%$ Vertical and $\pm 34\%$ Horizontal (motorised)
Light Source Lamp		220W Ultra-High Pressure Mercury Lamp (lamp life: approx. 3000 hours when the lamp is in Normal mode)
Brightness*		1,200lm
Contrast Ratio		Native: 80,000:1
Connectors	Component	1 (RCA: Y, Pb/Cb, Pr/Cr)
	HDMI	2 (3D/Deep Colour/CEC compatible)
	Analog RGB (PC)	1 (D-sub 15pin)
	RS-232C	1 (D-sub 9pin)
	LAN (RJ-45)	1
	Trigger	1 (Mini jack, DC12V/100mA)
	Remote	1 (Mini jack)
Video Input Signal Format	3D Sync	1 (Mini Din 3pin)
	Digital	480i/p, 576i/p, 720p 60/50, 1080i 60/50, 1080p 60/50/24
PC Input Signal Format	Analog	480i/p, 576i/p, 720p 60/50, 1080i 60/50
	HDMI	VGA/SVGA/XGA/WXGA/WXGA+/SXGA/WXGA+/MUXGA
3D Format	Frame Packing	720p 60/50, 1080p 24, 1080i 60/50
	Side-by-Side (half)	720p 60/50, 1080p 60/50, 1080i 60/50
Noise	Top & Bottom	720p 60/50, 1080p/24
		20dB (Lamp normal mode)
Power Requirement		AC 110-240V, 50/60Hz
Power Consumption		360W (Stand-by: 0.8W)
Dimensions		455x179x472 mm
Weight		15.4kg

*1 Resolution is 1920x1080 at 3D mode. *2 Measurement, measuring conditions, and method of notation all comply with ISO 21118.

JVC

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A Premium Projector with 4K Resolution
and an Incredible **120,000:1**
Native Contrast Level



- 4K (3,840 x 2,160 pixels) D-ILA projector
- Super-high native contrast ratio of 120,000:1
- Minimised crosstalk for brighter, more realistic 3D picture
- 2D-3D conversion creates dynamic 3D video content from 2D video sources
- JVC original Real Colour Imaging Technology
- Auto Calibration*¹
- Picture Data In/Out*²
- Screen Adjustment modes (101 modes*³)
- Lens Memory function
- Pixel Adjust function (1/16-pixel increments)

*1 Requires commercially available optical sensor and exclusive software.

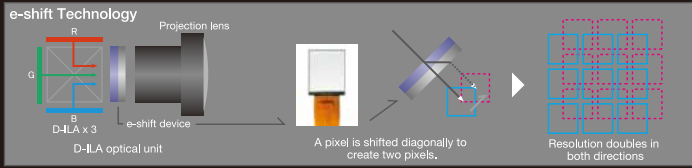
*2 Requires exclusive software.

*3 Capable of increasing up to 255 modes with firmware upgrade.



Super High-definition 4K Projection

A newly developed optical engine incorporating three D-ILA devices and the new e-shift technology, which shifts one pixel for every 0.5 pixels, are used together to realize super high-definition 4K-resolution (3,840 x 2,160 pixel) projection. Unlike ordinary resolution-upscaling technology employed on full HD projectors, 4K projection with e-shift technology dramatically improves picture quality by ensuring exceptionally precise images with ample presence.

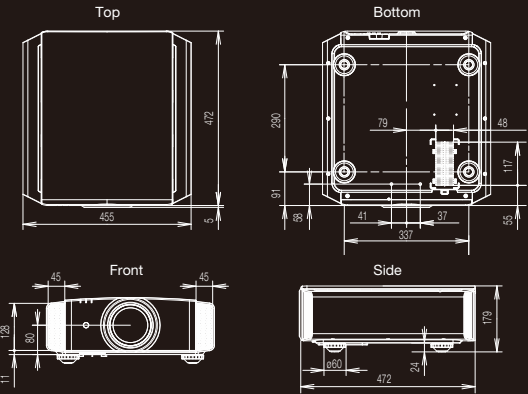


Native Contrast Ratio of 120,000:1

As a top-of-the-line D-ILA projector, the DLA-RS65 delivers ultimate performance in all aspects of image reproduction, including the industry's highest native contrast ratio of 120,000:1*. This extraordinary figure is realised by reducing unnecessary light leakage from the optical engine, which is comprised of an original D-ILA device, wire grid, and other innovatively developed components/devices.



External Dimensions (unit: mm)



Projection Distance Chart

Display size (16:9)			Projection distance	
Screen diagonal (inch)	W (mm)	H (mm)	Wide (m)	Tele (m)
60	1,328	747	1.78	3.66
70	1,549	872	2.09	4.28
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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
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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).

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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-RS65 is also equipped with other innovative 3D functions.

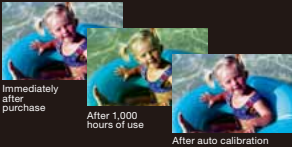
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*The optional 3D Synchro Emitter and 3D glasses are required to view 3D images.

Original Viewing Setting and Auto Calibration

When a white wall or indirect lighting in the interior affects the quality of the projected picture, an improved viewing environment can be created by using JVC exclusive software (free download from our corporate website) and a commercially available optical sensor to enable everyone to enjoy a premium level of image reproduction. Colour balance gaps that can occur when the projector is being used for extended periods of time are calibrated using an optical sensor and the Auto-calibration Function helps to ensure excellent picture quality at all times. Customised picture data can also be transferred to or from the projector via a LAN terminal with customised settings easily stored into a PC as well.*



*Software and an optical sensor: Exclusive JVC software that can be downloaded for free from our corporate website installed on a PC connected to the DLA-RS65 via a LAN connection and an optical sensor are required to set viewing configurations, and auto calibration; a PC installed with the exclusive software is required for picture data in/out function. • Software compatible OS: Microsoft® Windows® XP 32-bit (SP2 or later), Windows Vista® 32-bit, or Windows® 7 32-bit/64-bit operating systems. • Recommended optical sensor: Spyder3Pro™ or Spyder3Elite™ by Datacolor. Refer to their company website for further product details.

Optional Equipment



Connectors



Specifications

		DLA-RS65
Device		0.7 inch Full HD D-ILA (1920 x 1080) x3
e-shift Technology		Yes
Resolution		3840 x 2160**1
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*2		1,200lm
Contrast Ratio		Native: 120,000:1
Connectors	Component	1 (RCA; Y, Pb/Cb, Pr/Cr)
	HDMI	2 (3D/Deep Colour/CEC compatible)
	Analog RGB (PC)	1 (D-sub 15pin)
	RS-232C	1 (D-sub 9pin)
	LAN (RJ-45)	1
	Trigger	1 (Mini jack, DC12V/100mA)
	Remote	1 (Mini jack)
Video Input Signal Format	3D Sync	1 (Mini Din 3pin)
	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/WXGA+/WUXGA
	Analog RGB (D-sub 15 pin)	VGA/SVGA/XGA/WXGA/WXGA+/SXGA/SXGA+/WSXGA+/1920x1080/Mac 13", 16"19"
3D Format	Frame Packing	720p 60/50, 1080p 24, 1080i 60/50
	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		360W (Stand-by: 0.8W)
Dimensions		455x179x472 mm
Weight		15.4kg

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