

JVC[®]

The Perfect Experience / —

DLA-RS10

Full HD D-ILA Front Projector

D-ILA[®]

Full HD
1920x1080



REFERENCE SERIES



JVC's new DLA-RS10 will transform
your home theater to new levels of quality and,
of course, sheer entertainment!



JVC's DLA-RS10 establishes a new benchmark in performance and value. It's built with the same core technologies and many of the same features found in JVC's other highly acclaimed D-ILA projectors, and breaks new ground in brightness, contrast, color accuracy, black levels and ease of use. At the core, are three 0.7-inch 1080p D-ILA devices, a new optical system that utilizes wire-grid polarizers, and a new 2x lens with a 3 step fixed aperture. Together they produce brighter images with a stunning native contrast ratio of up to 32,000:1. Whether this is your first projector, or an upgrade, you'll appreciate the sleek, new DLA-RS10's natural, high contrast pictures without rainbow or screen door effects seen in typical projectors.

D-ILA®



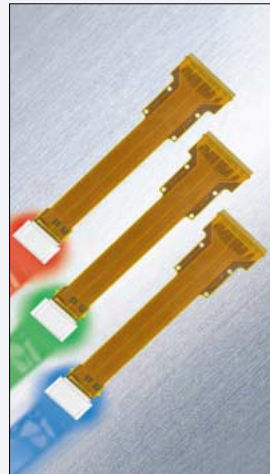
DLA-RS10

Full HD D-ILA Home Theater Front Projector

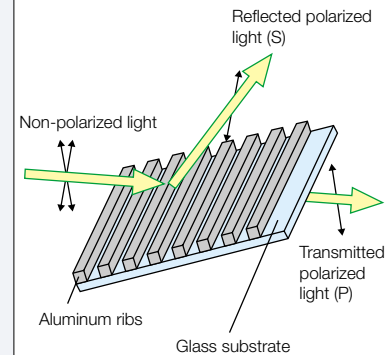


Native contrast ratio of 32,000:1

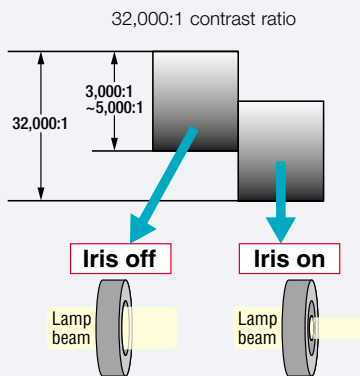
Native Contrast ratio is the intrinsic ability of the projector to show the complete range of image contrast simultaneously. D-ILA devices inherently have a very high contrast ratio — one reason why JVC projectors have consistently been able to reproduce theater-like images. In the DLA-RS10, JVC changed the structural design of the optical section from a conventional L-shape to a straight configuration which helped to reduce light leakage. When combined with a highly efficient lamp, 1,000 lumens of brightness was achieved. An enhanced wire grid optical engine dramatically improves the precision of light polarization, helping to prevent light spilling onto the projection lens. These new technologies combined with the 3-step Aperture Brightness Control virtually eliminate unwanted light that reduces contrast, making it possible for the DLA-RS10 to achieve a very high native contrast ratio of 32,000:1.



How the wire-grid polarizer works



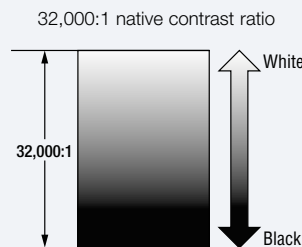
Conventional projector with dynamic iris



The dynamic iris is opened for bright scenes to make peak values brighter while at the same time, making black level lighter than it should be.

The dynamic iris is closed for dark scenes to make black level appear darker while at the same time, making peak values darker.

DLA-RS10



The 0.7-inch full HD D-ILA device can display peak whites and deep blacks on the same field of a picture. This provides extremely sharp contrast for more vivid and natural color reproduction.

Conventional projector

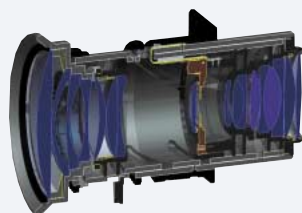


DLA-RS10



High-performance 2x motorized zoom lens

The newly developed high-performance 2x zoom lens with motorized focus features a large diameter, all-glass lens system with 17 elements in 15 groups that includes 2 ED lenses to project a full HD image with exceptional depth. And to display the deepest black possible, this new high-precision lens is also equipped with a 3-step lens aperture that allows adjustment of brightness according to user preferences and usage environment. What's more, the high-precision lens also reduces chromatic aberration and color bleeding significantly.



Customized gamma control on-screen

Manual adjustment of gamma curve is possible via an on-screen display, allowing the viewer to adjust projector luminance levels by either increasing contrast in scenes that are too dark or dimming washed-out scenes to ensure precise brightness levels suited to individual preferences. Up to three settings can be adjusted and stored for future use.



Custom gamma setup performed via on-screen menu

Advanced video processor



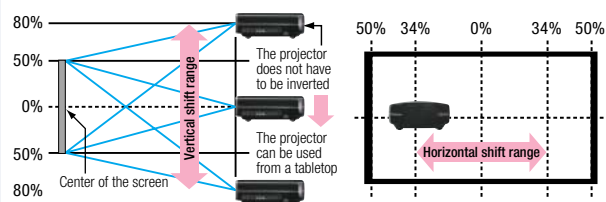
The projector incorporates the HQV Reon-VX video processor developed by Silicon Optix. To ensure excellent image reproduction, this processor features precision I/P conversion and scaling with full 10-bit 4:4:4 signal processing as well as an HQV noise reduction function to block mosquito noise.



Flexible and easy set-up

New motor driven lens offsets provide a wide range of positioning options. An $\pm 80\%$ vertical offset and $\pm 34\%$ horizontal lens shift combine with the 2x motorized zoom lens to accommodate a wide range of installation irregularities. Alignment to the screen can be easily accomplished using the remote control.

$\pm 80\%$ vertical and $\pm 34\%$ horizontal electric lens shift function



The vertical and horizontal lens shift function cannot be set to the maximum values simultaneously.

And when positioning the projector outside of the lens shift coverage area, the Digital Keystone function with $\pm 30^\circ$ vertical and $\pm 40^\circ$ horizontal adjustment helps to make distorted images look more natural.

Also featured is a unique automatic lens cover that opens and closes with power on/off to protect against dust, so even if the projector is installed up on the ceiling, you're assured of easy, trouble-free operation via the remote controller.



Lens cover closed



Lens cover open

Self-illuminating remote control

The buttons on the handy self-illuminating remote control light up automatically, making it easy to operate even in a dark room.



Terminal for trigger functions

A dual function trigger terminal can be used to automatically move a projection screen up and down with power to the DLA-RS10 is turned on/off. Additionally, the trigger can be used to control an optional anamorphic lens to stretch the screen to the 2.35:1 aspect ratio with the projector's V-stretch mode activated.

HDMI interface



Two HDMI interfaces with CEC compatibility are featured.



Quiet operation

Thanks to the enhanced efficiency of the cooling system, fan noise has been reduced to 19dB*, enabling the viewer to better concentrate on what's being shown on the screen even in a very quiet room.

* When lamp mode set to standard mode.





DLA-RS10

A model boasting a native contrast ratio of 32,000:1 for high-resolution picture and an array of convenient functions for easy setup and maintenance

D-LA

Full HD
1920x1080

HDMI
HIGH-DEFINITION MULTIMEDIA INTERFACE
x2 (v. 1.3)



- Amazing 32,000:1 native contrast ratio
- Achieves a brightness of 1000 lumens that allows vivid image reproduction even under indirect lighting environment
- User-customizable gamma control for free control of gradation expression
- High-performance 2x zoom lens with motorized focus featuring a large diameter all-glass lens system with 17 elements in 15 groups including 2 ED lenses

- 3-step lens aperture for brightness adjustment
- Wide electronic lens shift function of $\pm 80\%$ vertical and $\pm 34\%$ horizontal adjustments
- V-stretch mode together with the anamorphic lens allows for the display of images without top and bottom black bars
- Digital Keystone enables easy adjustment of distorted images

Projection Distance Chart

Display size (16:9) Inches and (mm)			Throw distance			
Width	Height	Diagonal	Minimum		Maximum	
			Feet-Inch	Meters	Feet-Inch	Meters
52 1/4	29 3/8 (747)	60 (1523)	5-10	1.78	12-0	3.66
60	33 3/4 (857)	68 7/8 (1749)	6-8 1/4	2.05	13-9 1/2	4.20
70	39 3/8 (1000)	80 3/8 (2040)	7-10	2.39	16-1 1/4	4.91
80	45 (1143)	91 3/4 (2332)	8-11 3/4	2.74	18-5	5.61
90	50 5/8 (1286)	103 1/4 (2623)	10-1 1/2	3.08	20-8 3/4	6.32
100	56 1/4 (1429)	114 3/4 (2915)	11-3 1/4	3.43	23-1 1/2	7.02
110	61 7/8 (1572)	126 1/4 (3206)	12-5	3.78	25-4 1/4	7.73
120	67 1/2 (1715)	137 3/4 (3498)	13-6 3/4	4.13	27-8 1/4	8.44
130	73 1/8 (1857)	149 1/8 (3789)	14-8 1/2	4.49	30-1 1/4	9.15
140	78 3/4 (2000)	160 5/8 (4081)	15-10 1/2	4.84	32-4	9.86
150	84 3/8 (2143)	172 1/8 (4372)	17-1 1/2	5.19	34-8	10.57
160	90 (2286)	183 5/8 (4663)	18-2 1/2	5.55	37-1 1/4	11.28
170	95 5/8 (2429)	195 1/8 (4955)	19-4 1/2	5.91	39-4 1/4	11.99
174 1/4	98 (2490)	200 (5079)	19-10 1/2	6.06	40-4 1/4	12.30

* Projection distances are design specifications, so there is $\pm 5\%$ variation.

Specifications

	DLA-RS10
Device	0.7inch D-ILA x3
Resolution	1920 x 1080 pixels
Lens	2x motorized zoom & focus f=21.4mm – 42.8mm F=3.2 – 4
Lens shift	$\pm 80\%$ Vertical / $\pm 34\%$ Horizontal (motorized)
Projection size	60 - 200 inches
Light source Lamp	200W UHP
Brightness	1,000lm
Contrast ratio	Native: 32,000:1
Terminals	HDMI (ver.1.3) x2 Component x1 (RCA) S-Video x1 (mini DIN) Composite x1 (RCA) Trigger x1 (mini jack) RS-232C (D-sub 9-pin)
Video input signal	480i/p, 576i/p, 720p 60/50, 1080i 60/50, 1080p 60/50/24
PC input signal (Digital)	VGA/SVGA/XGA/WXGA/MXGA+/SXGA/WSXGA+/WUXGA
Noise level	19dB (Normal mode)
Power requirement	AC 110 - 240V, 50/60 Hz
Power consumption	280W (Stand-by mode:1W)
Dimensions (W x H x D)	14.37 x 6.58 x 18.82 inches 365 x 167 x 478 mm
Weight	24.25 lbs 11.0kg

Terminals on the side



Optional Accessories



User-replaceable Lamp
BHL5010-5



Anamorphic Lens
RSAL1

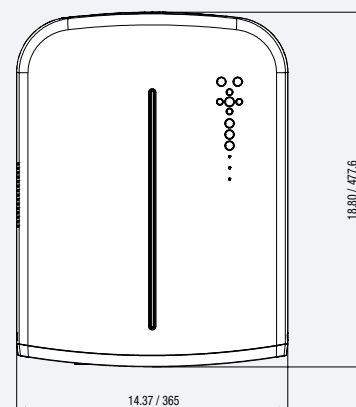


Advanced Video Processor
RSVP2

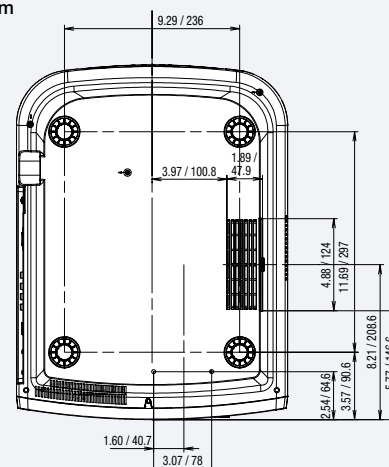
External dimensions

Top

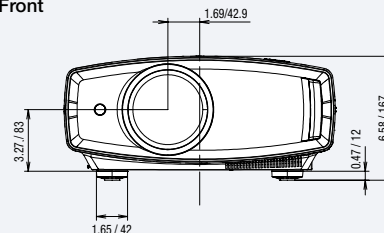
(Unit: inches/mm)



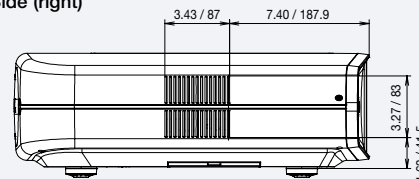
Bottom



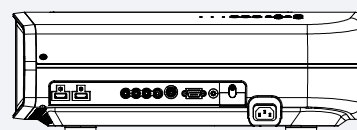
Front



Side (right)



Side (left)





Design and specifications are subject to change without notice.

The projector is equipped with a high-pressure mercury lamp, which may break, emitting a loud noise, when it is subjected to shock or after it has been used for a some length of time.

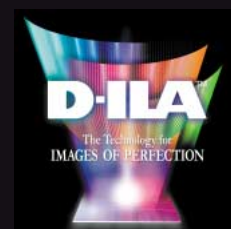
Please note that, depending on how the projector is used, there can be considerable difference between individual lamps regarding how many hours they will operate before requiring replacement. The owner of the projector is responsible for all costs related to the replacement of the lamp.

- *The projector lamp requires periodic replacement and is not covered by warranty.*
- *Please note that, although the D-ILA device is manufactured using highly advanced technologies, 0.01% or fewer of the pixels may be non-performing.*

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Printed in the U.S.A.

CCZ-3577-08

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