

# JVC®

The Perfect Experience / —

DLA-HD1  
D-ILA High-Definition Home Theatre Projection System



15,000:1 Native Contrast Ratio is the Industry's Highest<sup>1</sup>!  
And it Ensures True Black Reproduction Without Any Loss in Brightness.

## D-ILA

**Full HD**  
**1920x1080**

- Industry's highest<sup>1</sup> native contrast ratio of 15,000:1 for true black reproduction without an iris mechanism.
- Flexible set-up made possible with the high-performance 2x zoom lens and front fan intake and exhaust design.
- Video processor by Gennum Corporation offers faithful reproduction of high-quality images.
- Improved user friendliness thanks to a convenient, detailed video adjustment menu and illuminated remote control.

<sup>1</sup> Native contrast of 15,000:1 for home theatre projector class (JVC survey as of 14 November 2006).

Advanced innovations such as the new 0.7-inch full HD D-ILA device and a new optical engine make the remarkable 15,000:1 native contrast ratio possible!

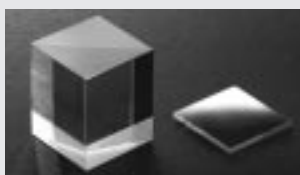


#### Newly-developed 0.7-in. full HD D-ILA device

The device ensures a significant reduction in stray light caused, among other factors, by the dispersion and diffraction of reflected light. To enable this device to achieve a device contrast ratio of 20,000:1, JVC decreased orientation irregularities by flattening the gaps between pixels, adopted improved liquid crystals and applied new orientation technologies.

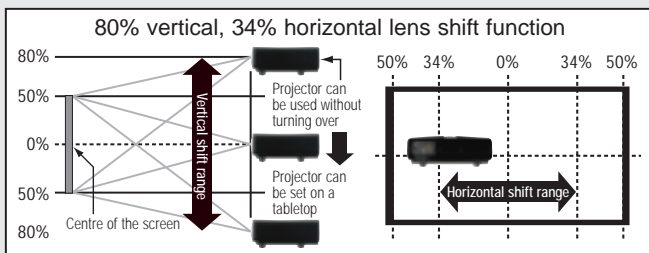
#### New optical engine with wire-grid polarizers

The new optical engine dramatically improves the precision of light polarization to prevent light leakage into the projection lens, allowing for the closest to true black reproduction.



#### Lens system

The projection lens features a large diameter, all-glass lens with 16 elements in 13 groups that significantly reduces chromatic aberration and ensures a high-resolution picture, with every point on the screen perfectly in focus. Also, the high-performance 2x zoom lens enables you to enjoy a powerful, large image even in smaller rooms that do not permit typical recommended distances to the screen. What's more, the intelligent projection system features an 80% vertical and 34% horizontal lens shift function, allowing you to set-up the system more freely.



\*The vertical and horizontal lens shifts cannot be set to maximum values at the same time.

#### Projection Distance Chart

Inch	Display size (16:9)		Projection distance	
	W	H	Wide	Tele
60	1,328	747	1.78	3.63
70	1,549	872	2.09	4.24
80	1,771	996	2.40	4.86
90	1,992	1,121	2.71	5.47
100	2,214	1,245	3.01	6.08
110	2,435	1,370	3.32	6.70
120	2,656	1,494	3.63	7.31
130	2,878	1,619	3.93	7.93
140	3,099	1,743	4.24	8.54
150	3,320	1,868	4.55	9.16
160	3,542	1,992	4.86	9.77
170	3,763	2,117	5.16	10.38
180	3,984	2,241	5.47	11.00
190	4,206	2,366	5.78	11.61
200	4,427	2,490	6.08	12.23

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

#### Front fan air intake and exhaust design for the cooling system

Air intake and exhaust are both located at the front of the projector to expand your choices for projector location. The simple and clean design leaves only interface connections on the back panel to provide you with more flexibility in deciding where to put the projector. For example, the DLA-HD1 can be placed next to a wall if ceiling mounting is not possible. And regardless of whether the projector is ceiling mounted or on a tabletop, the lamp is both easy to access and replace from the side panel.

#### Image processing circuit with video processor made by Gennum Corporation

At the core of the video processing, the projection system features the GF9351, a video processor by Gennum Corporation. The video processor ensures the faithful reproduction of high-quality images thanks to a high-precision scaling function and four VXP™ technologies — FineEdge™, FidelityEngine™, TruMotionHD™ and RealityExpansion™.



#### Convenient and detailed video adjustment menu

The projection system features a convenient video adjustment menu that allows you to easily adjust the picture according to the source video and your own preferences.

#### Self-illuminating remote control

The buttons of the remote control light up automatically, making it easy to operate even in a dark room. The remote control includes direct keys to adjust frequently used functions such as contrast and brightness, in addition to video input selection.

#### Specifications

Display device	Full HD D-ILA device
Panel size	0.7 inch x 3 (16:9)
Resolution	1,920 x 1,080 pixels
Lens	X2 manual zoom/focus lens f=21.3-42.6mm F=3.2-4.3
Projection size	60 inches to 200 inches
Lens shift function	80% vertical and 34% horizontal
Light source lamp	200-watt ultra high-pressure mercury lamp
Light output	700 lm
Contrast ratio	15,000:1
Video input terminals	HDMI x 2 Component x 1 (3RCA) can also be used as a RGB terminal. S Video terminal (mini DIN4 pin) x 1 Composite x 1 (TRCA terminal)
Control terminals	RS-232 (D-sub9 pin)
Video input signals	480i/p, 576i/p, 720p60/50, 1080i60/50, 1080p60/50/24, NTSC/NTSC4.43/PAL/PAL-M/PAL-N/SECAM
Noise level	25dB (in normal mode)
Power consumption	280 watts (2.7 watts while in stand-by)
Dimensions (W x H x D)	455 x 172 x 418mm (without extrusions)
Weight	11.6kg
Provided accessories	Power source cable x 1, self-illuminating remote control x 1, AAA size batteries, and lens cap

Design and specifications are subject to change without notice.

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