

# JVC®

The Perfect Experience / —

DLA-HD100

"True Black"

Premium D-ILA Home Theatre Front Projector

This incredible home theatre front projector boasting the industry highest<sup>1</sup> 30,000:1 native contrast ratio promises deep, true black level and rich, accurate colour.



## D-ILA®

**Full HD**  
1920x1080

- Enhanced 0.7-inch Full HD D-ILA devices and improved optical engine deliver the industry's highest<sup>1</sup> contrast ratio of 30,000:1 for deep, true black level without a trace of grey.
- Compatibility with the latest HDMI version 1.3 (Deep Color) specifications means that this projector can reproduce billions of colours and subtler shades of greyscale.
- Manual adjustment of gamma control via an on-screen display ensures accurate brightness levels and colour ratios.
- High-performance 2x zoom lens with motorised focus enables flexible set-up.
- User-friendly operation guaranteed thanks to convenient, detailed video adjustment menu and illuminated remote control.

<sup>1</sup> As of July 2007.) Native contrast ratio of 30,000:1 for home theatre projector class (JVC internal survey).



Superlative technologies and user-friendly features make the DLA-HD100 the premium choice for today's large-screen entertainment needs.

**Deep, true black level with the industry's highest<sup>1</sup> native contrast ratio of 30,000:1**

The new DLA-HD100 features enhanced 0.7-inch full HD D-ILA devices and an improved optical engine, which allow it to achieve an incredible native contrast ratio of 30,000:1 — the industry's highest!<sup>1</sup>

● **0.7-in (16:9) Full HD D-ILA device x 3**

Newly improved, the device exhibits a significant reduction in stray light caused by phenomena such as the dispersion and diffraction of reflected light. JVC succeeded in decreasing orientation irregularities by reducing the gaps between pixels, adopting improved liquid crystals and other innovative technologies, enabling the device itself to achieve a contrast ratio of 40,000 to 1.

● **Optical engine with wire grid polarizers**

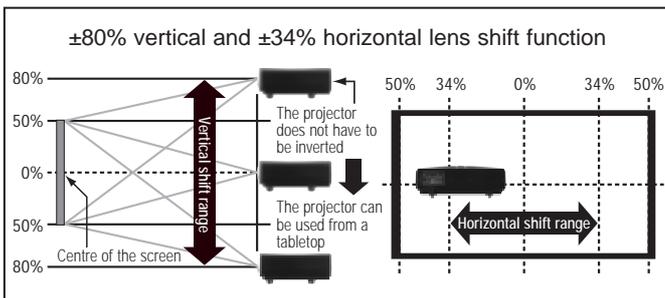
The enhanced optical engine dramatically improves the precision of light polarization, helping to prevent light leakage into the projection lens and allowing for true black level reproduction.

**Broader colour space ensures excellent colour rendition**

The DLA-HD100 offers significantly improved colour rendition to match its true black level reproduction as colour space has been broadened to ensure more natural and vivid colours.

**High-performance 2x motorised zoom lens enables flexible set-up**

The high-performance 2x zoom lens found on DLA-HD100 is made by Fujinon Corporation and features a large-diameter, all-glass lens assembly with 16 elements in 13 groups. This lens significantly reduces chromatic aberration and provides a high-resolution picture by ensuring that individual pixels remain perfectly focused on the screen. Motorised focus also allows you to enjoy razor-sharp image reproduction in every viewing situation even in smaller rooms where recommended viewing distances to the screen cannot be obtained. Best of all, setting up the DLA-HD100 is easy too as  $\pm 80\%$  vertical and  $\pm 34\%$  horizontal lens shift function allows the projected picture to be moved horizontally or vertically without having to physically reposition the projector.



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

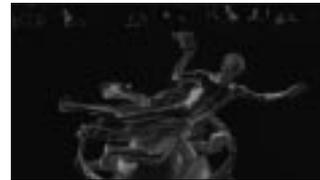
Inside this projector there is a high-pressure mercury lamp. This type of lamp may break, emitting a loud noise, when it is subjected to shock or after it has been used for some length of time. Please note that, depending on how the projector is used, there can be considerable variance between individual lamps as regards how many hours they will operate before requiring replacement. A separate charge is payable for installation, if required.  
Design and specifications are subject to change without notice.

● 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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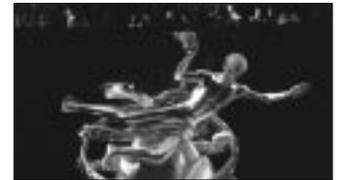
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**Customised gamma control on-screen**

The DLA-HD100 makes possible manual adjustment of gamma control via an on-screen display, ensuring accurate brightness levels and colour ratios to suit viewer preferences. What's more, the primary red, green and blue colours can be individually adjusted via the remote controller.



Conventional



Customised Gamma Control

**Compatibility with HDMI ver. 1.3 (Deep Color) specifications**

The DLA-HD100 incorporates two HDMI inputs compatible with version 1.3 specifications, which allow you to take full advantage of the higher bandwidth of 225 MHz, increased colour depth from millions of colours to billions of colours (Deep Color) as well as enhanced resolution and frame rates (for more details, please refer to the HDMI ver. 1.3 specifications at <http://www.hdmi.org/>).



Projection Distance Chart				
Inch	Display size (16:9)		Projection distance	
	W (mm)	H (mm)	Wide (m)	Tele (m)
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  $\pm 5\%$  variation.

Preliminary 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 motorised zoom/focus lens f=21.3-42.6mm F=3.2-4.3
Lens shift function	$\pm 80\%$ vertical and $\pm 34\%$ horizontal
Light source lamp	200-watt ultra-high pressure mercury lamp (UHP)
Contrast ratio	30,000:1
Video input terminals	HDMI x 2 (ver. 1.3) Component x 1 (3 RCA) can also be used as a RGB terminal S Video terminal (mini DIN 4-pin) x 1 Composite x 1 (1 RCA terminal)
Control terminals	RS-232 (D-sub 9-pin)
Dimensions (W x H x D)	455 x 172.5 x 418.5mm (without extrusions)



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