

# JVC<sup>®</sup>

The Perfect Experience / —

DLA-HD990

Full HD D-ILA Front Projector

D-ILA<sup>®</sup>



## 70,000:1

### Projector Performance at Its Highest Possible Level.

#### Extraordinary Picture Quality

- Industry's highest native contrast ratio: **70,000:1\***
- Clear Motion Drive
- Inverse telecine (reverse 2-3 pulldown)

#### Fine-tuned for Image Perfection

- JVC original picture modes
- Colour Management
- Screen adjustment mode
- High-performance 2x motorized zoom lens with 16-step aperture
- HQV Reon-VX video processor

#### Industry Certifications

- Certified by ISF (Imaging Science Foundation)
- Certified by THX

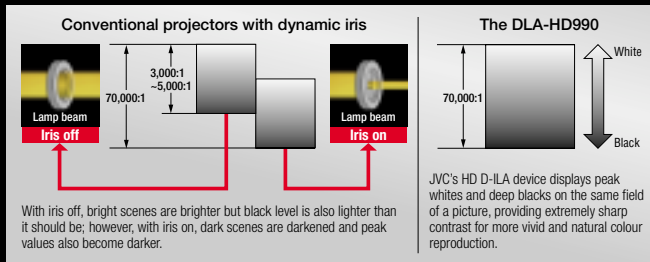
#### Optimum Flexibility and Convenience

- Newly designed remote controller
- Quiet operation: Less than 20dB
- H: 80%/V: 34% motorized lens shift
- Motorized lens cover

\* For home projectors as of August 2009.

## ■ Incredible native contrast ratio: 70,000:1

As the DLA-HD990 D-ILA projector does not employ a dynamic iris, unnecessary light that can lower contrast levels is eliminated to make possible an incredible native contrast ratio of 70,000:1. Enhanced brightness and deeper, richer blacks make the DLA-HD990 ideal for viewing diverse content, from movies and music videos to live concert performances and sports programs.



## ■ Clear Motion Drive

Clear Motion Drive's high-precision interpolation algorithm enhances the precision of picture-character detection to generate an accurate intermediate frame even for images with rapid movement. Whether broadcasting signal or movie content, viewers can enjoy smoother and clearer images with reduced motion blurring thanks to this unique interpolation technique that optimizes the number of frames.

## ■ Inverse telecine (reverse 2-3 pulldown)

To display TV broadcasts or commercially available DVDs created using the 2-3 pulldown process, the inverse telecine function reconverts the video source back to a 24fps signal and displays it at double speed or 48 fps, ensuring cinema-like viewing faithful to the original source.

## ■ JVC's original picture modes

Detailed analysis of the additive colour mixture method for projectors and the subtractive colour mixture method for film in movie theatres made possible an optimized picture display using a built-in LSI that reproduces all the delicate textures and nuances of film in a home theatre environment.

## ■ Screen adjustment mode

As the quality of projected images varies depending on the type of screen and its RGB reflective characteristics, JVC D-ILA projectors have three screen adjustment modes that enable users to select the optimum mode to match screen characteristics for more natural and balanced colour reproduction.

## ■ Notable industry certifications

### • ISF (Imaging Science Foundation)

The DLA-HD990 has been licensed with the ISF C<sup>3</sup> (Certified Calibration Controls) mode, enabling trained dealers to professionally calibrate it to specific screen surfaces, lighting environments, and video sources. These precise settings are then stored into the projector to ensure reproduction of film or video content accurate to the source and excellent picture quality in all viewing situations.

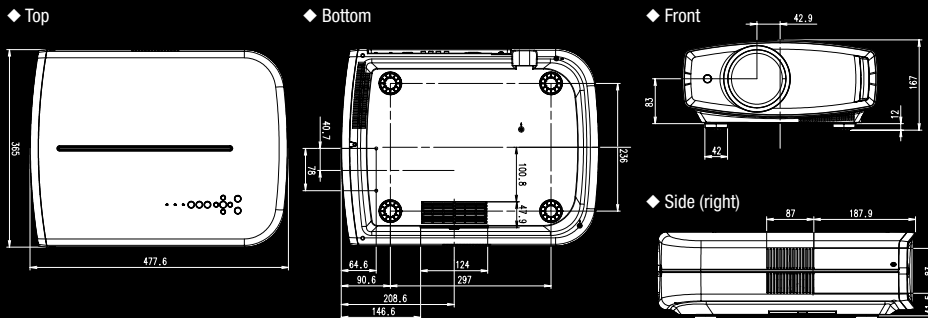


### • THX

The DLA-HD990 has passed the THX Certified Display Program — a series of tests conducted on display devices to verify the high-definition display performance that home theatre enthusiasts demand today, ensuring that the projector will always deliver superb picture quality faithful to the source.



## ■ External dimensions (Unit: mm)

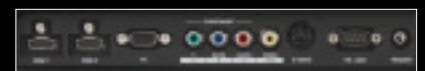


## ■ Optional Accessory



User-replaceable Lamp  
BHL5010-S

## ■ Terminals on the side



## ■ 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	8.60
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 ±5% variation.

## ■ Specifications

		DLA-HD990
Device		0.7inch D-ILA x3
Resolution		1920 x 1080 pixels
Lens		2x motorised zoom & focus, F=21.4mm - 42.8mm, F=3.2 - 4
Lens shift		±80% Vertical / ±34% Horizontal (motorised)
Projection size		60 - 200 inches
Light source lamp		200W UHP (lamp life: approx. 3,000 hours in Nomal mode)
Brightness		900lm
Contrast ratio		Native: 50,000:1
Terminals		HDMI (ver.1.3) x2, Component x1 (RCA), S-Video x1 (mini DIN), Composite x1 (RCA), PC x1 (D-Sub 15-pin), 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/WXGA+/SXGA/WSXGA+/WUXGA
	Analogue	VGA/SVGA/XGA/WXGA/WXGA+/SXGA/SXGA+/WSXGA+
Noise level		19dB (Normal mode)
Power requirement		AC 110V-240V, 50/60 Hz
Power consumption		280W (Stand-by mode: 0.7W)
Dimensions (W x H x D)		365 x 167 x 478 mm
Weight		11.2kg

\* 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 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. THX and the THX logo are trademarks of THX Ltd. which may be registered in some jurisdictions. ISF is a registered trademark of Imaging Science Foundation, Inc. HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or 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 © 2009, Victor Company of Japan, Limited (JVC). All Rights Reserved.



DISTRIBUTED BY

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