

JVC

The Perfect Experience / —
/

New Product News

DLA-HX1

3-CHIP D-ILA® PROJECTOR



D-ILA®

Enjoy Hollywood in your Living Room with the Best Home-Theater Projector in its Class!

- 3-CHIP D-ILA technology produces images as smooth and natural as film
- True 16:9 aspect ratio with 1400 x 788 resolution
- JVC's original D.I.S.T. (Digital Image Scaling Technology)
- Ideal for displaying high-definition as well as DVDs
- Signal compatibility: 720p, 1080i, 1035i, 1080p (24sF, 25sF, 30sF), 1080p (24, 25, 30), DVI (HDCP)

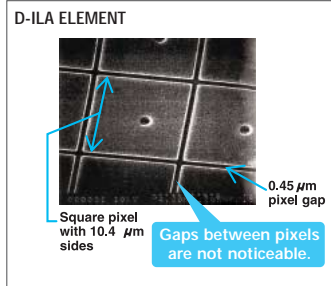
3-Chip Superiority

Three D-ILA chips for smooth, flicker-free high-resolution images

The DLA-HX1 projector is equipped with three reflective 1.1-megapixel WXGA-PLUS 16:9 (1400 x 788) D-ILA® chips that produce the highest native resolution in its class. But high resolution is only part of the story. JVC's original 3-chip D-ILA (Direct Drive Image Light Amplifier) technology produces rich, natural colours without the annoying flicker or "rainbow effect" that plagues single panel projectors. Images are as smooth as film, boasting incredible detail and vibrant, breathtakingly natural colours.

Cinema-quality picture with no visible grid

Unlike transmissive liquid crystal technologies, there is no visible grid or "screen door effect" with JVC's D-ILA. Since the gaps between pixels are not noticeable, the picture is extremely smooth. You can enjoy the benefits of both film-like resolution and accurate reproduction of natural colours.



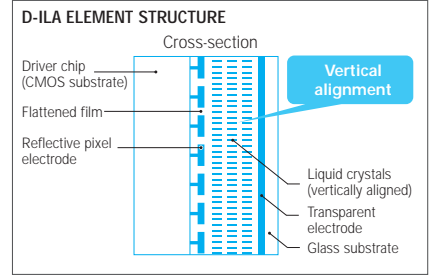
Superior Colour Reproduction

JVC's unique optical engine produces rich, natural colours with smooth gradations and low noise. Colour temperature is set at 6500K providing optimal cinema reproduction. JVC's exclusive AG technology produces highly accurate gradations particularly in darker areas of less than 20% brightness. The result is vibrant colour gradation with low noise, even in the darkest areas of the picture.



True black reproduction

One important characteristic of D-ILA devices is that the crystals are aligned vertically. This means that when there is no voltage applied, the pixels are "normally black". Most liquid crystal devices are "normally white" (turning black when a voltage is applied). In contrast, D-ILA technology can reproduce blacks that are truly black. It also offers a uniform response, irrespective of brightness, so it can display a wide range of intermediate tones, something that is not usually possible with conventional LCDs.



High-performance Video/Cinema Projection

JVC Original D.I.S.T. (Digital Image Scaling Technology)

JVC's exclusive D.I.S.T. technology consists of IP conversion, pixel density conversion and enhancer technology. Together these ensure full correspondence with most DTV format signals, including high-resolution HDTV and DVD, as well as with conventional PAL/SECAM/NTSC signals. Input signals are displayed without flicker or smear. Even on a large screen, the images look silky smooth with enhanced depth and presence, while small details are reproduced clearly.

DVI-D Plug and Play (HDCP)

This convenient feature enables digital-to-digital input and ensures high-quality image reproduction without degradation.

720p, 1080i, 1080/24-30sF, HDTV format compatibility

To ensure compatibility with DTV signals, the DLA-HX1 accepts analogue signals including 720p, 1080i, 1080/24sF ~ 30sF and HDTV formats.

Specifications

SYSTEM

Image Device	3-chip D-ILA® (0.7-inch diagonal)
Projection Lens	Zoom lens (2.1 ~ 2.6:1, manual zoom/manual focus, 53.3% offset)
Brightness	1000 ANSI lumens
Resolution	1400 x 788 pixels (1.1M pixels)
Aspect Ratio	16:9
Contrast	800:1
Scanning Frequency	Horizontal: 15 ~ 120kHz Vertical: 24, 25, 30, 50 ~ 120Hz
Screen size (width)	1.11m — 3.10m (3.64ft - 10.17ft)
Throw distance	2.2m — 8.01m (7.22ft - 26.28ft)
Lamp	250W, NSH
Still	Freeze
Colour Temperature	6500K/STD/user selectable
On-screen Display	8 languages: Japanese, English, Spanish, Italian, French, Portuguese, and Korean
Speaker	1W

INPUT SIGNALS

Component	Y, Pb/B-Y, Pr/R-Y, 480p, 720p, 1080i, 1080/24pSF, 25pSF, 1035i (HDTV)
Composite	NTSC, PAL, SECAM, NTSC4.43
RGB/RGBHV	VGA, SVGA, XGA, SXGA

INPUT TERMINALS

Video	3 sources: BNC (Y/Pb/Pr, same as RGB), RCA, S-terminal
Digital	1 source: DVI-D (HDCP)
RGB	2 sources: BNC (PC2), D-sub 15-pin (PC 1)
Audio	1 source: Mini jack

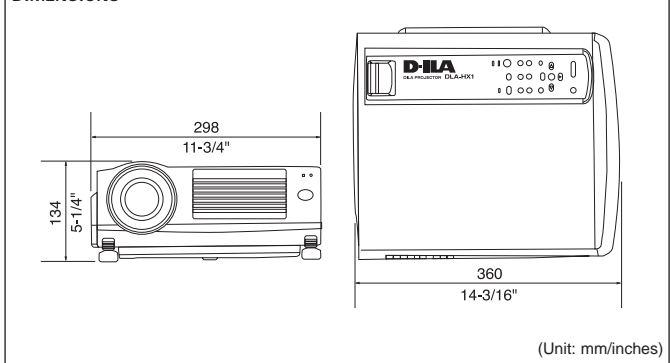
CONTROL TERMINALS

Serial Input	1 source (RS-232C, D-sub 9-pin)
Serial Output	1 source (RS-232C, D-sub 9-pin)
Remote	1 source (wired remote mini jack)

GENERAL

Dimensions (WHD)	298 x 134 x 360mm (11-3/4" x 5-1/4" x 14-3/16")
Weight	6kg (13.2 lbs)
Power Requirement	100 ~ 240V AC, 50/60Hz
Power Consumption	340W

DIMENSIONS



(Unit: mm/inches)
Design and specifications subject to change without notice.

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