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)	0.8m – 6.1m (2.6ft – 20ft)
Throw Distance	1.6m – 12.1m (5.1ft – 39.8ft)
Lamp	250W, NSH (Model No. BHL5006-S)
Still	Freeze
Colour Temperature	6500K/HIGH/user selectable
On-screen Display	8 languages: Japanese, English, German, 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, WXGA+ (1400 x 788), SXGA/SXGA+ (resized to 16:9 aspect ratio)
DVI-D	480P, 720P, 1080i, VGA, SVGA, XGA, WXGA+ (1400 x 788), SXGA/SXGA+ (resized to 16:9 aspect ratio)
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) Discreet IR codes
Screen Trigger	1 source (12V 100mA)
GENERAL	
Dimensions (WHD)	298 x 134 x 360mm (11.7" x 5.6" x 14.1")
Weight	5.9kg (13 lbs)
Power Requirement	100 – 240V AC, 50/60Hz
Power Consumption	340W

EMC Class B approved.

Connectors

Provided Accessories

•Quick Guide •Instructions (CD-ROM) •Warranty Card •Power Cord •Remote Control (RM-MSX21) •Two AA/R6-size Battery •AV Connection Cable (Approx. 2m/6.5ft; RCA Pin Plug) •Terminal Cable for Screen Trigger

Throw Distance vs. Screen Width

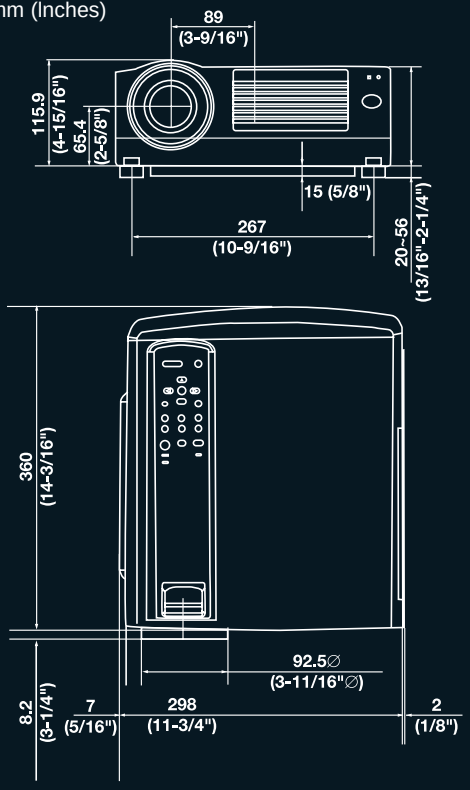
Screen Size				Throw Distance			
Width		Diagonal		Wide		Tele	
0.81m	(32")	0.92m	(37")	1.56m	(5'1")	2.05m	(6'9")
1.22m	(48")	1.39m	(55")	2.37m	(7'9")	3.10m	(10'2")
1.52m	(60")	1.74m	(68")	2.98m	(9'9")	3.89m	(12'9")
1.73m	(68")	1.98m	(78")	3.38m	(11'1")	4.41m	(14'6")
1.83m	(72")	2.09m	(82")	3.58m	(11'9")	4.68m	(15'4")
1.93m	(76")	2.21m	(87")	3.79m	(12'5")	4.94m	(16'2")
2.44m	(96")	2.79m	(110")	4.80m	(15'9")	6.25m	(20'6")
3.05m	(120")	3.49m	(137")	6.01m	(19'9")	7.83m	(25'8")
3.66m	(144")	4.19m	(165")	7.22m	(23'8")	9.41m	(30'10")
3.96m	(13')	4.65m	(183")	8.03m	(26'4")	10.46m	(34'4")
4.88m	(16')	5.60m	(220")	9.65m	(31'8")	12.56m	(41'3")
6.10m	(20')	7.00m	(275")	12.08m	(39'8")	–	

Recommendable for performance is about 2m–8m (6.6ft–26.2ft)

Dimensions

DLA-HX1

unit : mm (Inches)



DISTRIBUTED BY

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DLACN-1103(E)

JVC

The Perfect Experience

3-CHIP D-ILA® PROJECTOR

DLA-HX1

Come Home to Hollywood.

Enjoy Hollywood in Your Best Home-Theatre

Incorporating the same 3-chip D-ILA technology used by professionals in the movie industry for screening and critical colour analysis — JVC's DLA-HX1 brings big-screen excitement and realism right into your living room. With such pro-specs, this projector

3-Chip Superiority

A JVC exclusive: Three D-ILA chips for smooth, flicker-free high-resolution images

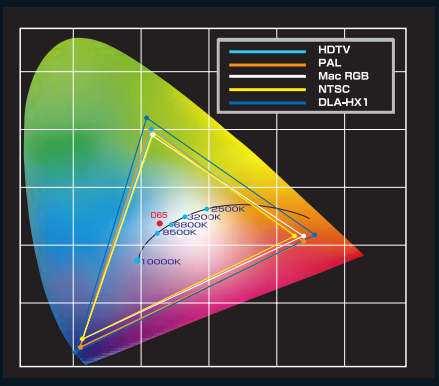
The DLA-HX1 projector is equipped with three reflective 1.1-megapixel WXGA-PLUS 16:9 (1400 x 788) D-ILA® chips that produce the highest native resolution in its class. But high resolution is only part of the story. JVC's original 3-chip D-ILA (Direct Drive Image Light Amplifier) technology produces rich, 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

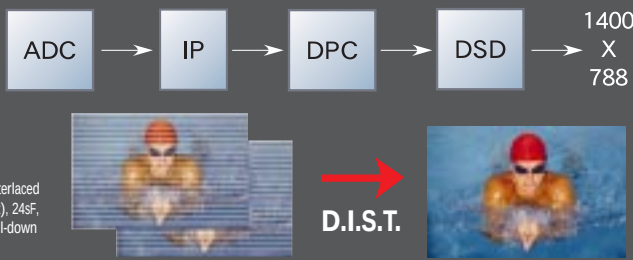
JVC's unique optical engine produces rich, natural colours with smooth gradations and low noise. Colour temperature is set at 6500K, providing optimal cinema reproduction. JVC's exclusive AG (Analogue Gradation) technology produces highly accurate gradations with low noise, particularly in darker areas of less than 20% brightness. Furthermore, the DLA-HX1 not only is equipped with four-colour profile modes but also supports wider colour reproduction compared to conventional D-ILA projectors to render image colours as close as possible to the original source.



High-performance Projection

JVC's 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. D.I.S.T. is exceptional because it fully exploits the advantages of progressive scanning by converting interlace signals to progressive signals. This increases image information relative to the number of pixels to provide high-definition, smooth images. Combined with the enhancer technology, the projector ensures full correspondence with most DTV format signals, including high-resolution HDTV and DVD, as well as with conventional PAL/SECAM/NTSC signals. Even on a large screen, the images look silky smooth with enhanced depth and presence, while small details are reproduced clearly.



IP: The IP conversion system corresponds with all interlaced signals, including PAL/SECAM/NTSC/1080i (50Hz/60Hz), 24sF, 25sF, 30sF by automatically selecting the optimum pull-down system (2-3 or 2-2 pull-down)

DPC: The pixel density conversion achieves favourable frequency characteristics.

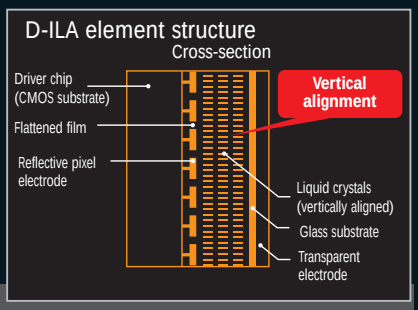
DSD: (Digital Super Detail): JVC's original contour correction technology that can accurately control horizontal and vertical lines while suppressing the influence of oblique lines. Also incorporated is a colour difference signal enhancer without overshoot that minimises smear in colour details. Two additional enhancers (with overshoot and without overshoot) are provided to enhance expression of details.

Living Room with the Projector in its Class!

renders rich colour and high contrast with images that are smooth and natural as film in a true 16:9 aspect ratio of 1400 x 788 resolution. So, why settle for less? Get more of the real thing and enjoy a bit of Hollywood in the comfort of your own home.

True black reproduction

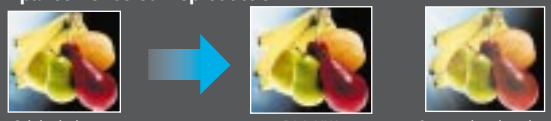
One important characteristic of D-ILA devices is that the crystals are aligned vertically. This means that when there is no voltage applied, the pixels are “normally black”. Most liquid crystal devices are “normally white” (turning black when a voltage is applied). In contrast, D-ILA technology can reproduce 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.



● **Comparison of gradation characteristics**

(accurate colours with absolute white and black) Conventional projector (bluish white and reddish black)

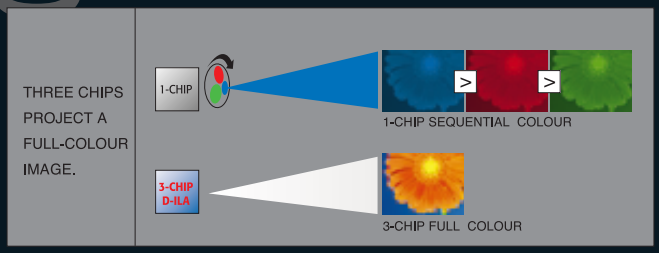
● **Comparison of colour reproduction**



Original picture DLA-HX1 (accurate colours) Conventional projector (foreground colours are influenced by background colours)

Three chips are better than one

Normally, three chips are used in high-end, expensive projectors but at JVC, we use three chips in all of our projectors. Why? It's because when compared to single-chip models, 3-chip D-ILAs offer superior colour reproduction, better gradation, and smoother images – at a competitive cost. So your next question may be "Why are three chips better than one?" This is clear and simple. Lower-cost, single-chip models rapidly project the picture one colour at a time and rely on the viewer's eye to blend alternating flashes of red, green and blue images into desired colours. Three-chip projectors, on the other hand, simultaneously produce images on separate RGB panels inside the projector and then combine the light beams, projecting a full colour image on the screen. The simple fact is that three chips produce better, more stable images, free of flicker and annoying "rainbow" effects. JVC three-chip D-ILA projectors provide a more natural, comfortable viewing experience with silky smooth images full of rich colours.



DVI-D plug and play (HDCP)

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

480P, 720P, 1080i, 1080/24 and 30PsF, HDTV format compatibility

To ensure compatibility with DTV signals, the DLA-HX1 accepts analogue signals including 480P, 720P, 1080i, 1080/24PsF and 30PsF and HDTV formats.

High contrast ratio: 800:1

With contrast ratio of 800:1, the DLA-HX1 projects images with sharp details, crisp edges and great depth.

User-friendly Design

Easy installation

The DLA-HX1 weighs only 5.9kg (13 lbs) and is compact so installation is a snap. The DLA-HX1 uses an NSH (high-pressure mercury) lamp that maintains low running cost and lasts for about 2000 hours of operation. The lamp and air filter can be easily accessed without removing the projector from the mount.

GUI on-screen display

The GUI on-screen menu allows you to make quick adjustments of various settings. The first and second menu layers are shown simultaneously for simple, systematic setting operation. These GUI controls can be operated from the top panel of the projector or via the provided wireless remote control unit.