JVC
PROFESSIONAL

D-ILA™ PROJECTOR

DLA-G15
DLA-S15

Outstanding Projection Im

——Breakthrough D-ILA™ projector offers high-contrast 350:1, 1500 ANSI lumen brightness and S-XGA resolution——

Large-size projection images with all the sharpness and clarity of a small-screen image — that's what you'll get with the D-ILA™ projector. The D-ILA™ (Direct Drive ILA) offers the most desirable of combinations — superb picture quality, operational ease, and affordability.

Featuring "true" S-XGA capability (1365 x 1024 pixels), the new D-ILA™ projector gives you the power to project the high-resolution graphics and CAD images created by today's advanced workstations and multimedia signal sources directly onto a large projection screen with no loss of quality whatsoever.

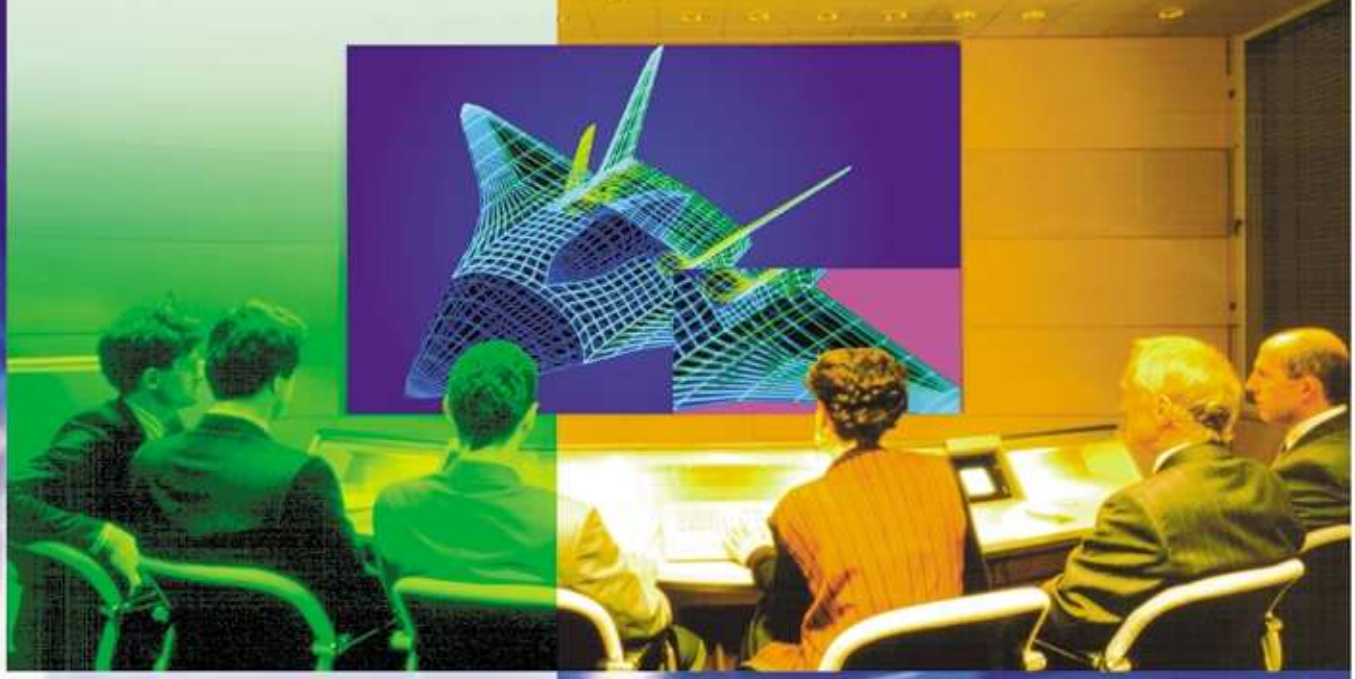
Better yet, the improved optical system is able to provide ultra-high brightness of 1500 ANSI lumens and a high-contrast ratio of 350:1. With the new D-ILA™ projector, you'll never have to put up with the washed-out images typical of conventional projectors — even in well-lit screening rooms. Instead, you'll enjoy clear, high-contrast images with vivid color reproduction and excellent text legibility, as well as finely detailed motion-picture images with natural gradations.

This versatile projector is also equipped to show moving images, and reproduce them on an extra-large screen with all the sharpness and clarity of the originals. Images projected on the screen with the D-ILA™ projector now rival the intensity and brilliance of those seen in a movie theater.

Combining the outstanding image reproduction and the user-friendliness, the new D-ILA™ projector takes projection images far beyond the limitations of conventional LCD and CRT projectors.

DLA-G15

DLA-S15

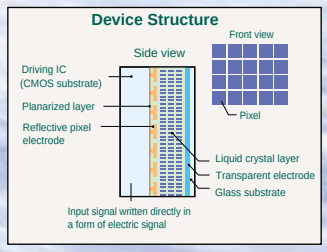


age Quality

D-ILA™ — Projector Device Innovation

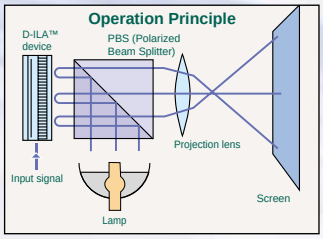
D-ILA™ Structure

The D-ILA™ device is a reflective type of LCD that delivers a higher aperture ratio (more than 93%) than a transmissive LCD panel, and is comprised of groups of pixels which correspond to each image dot. Also unlike conventional transmissive LCD panels (in which the driving transistor is mounted on the same surface as the pixels), the D-ILA™'s driving IC substrate is located behind the liquid crystal layer. As a result, the D-ILA™ device can achieve higher brightness and higher resolution at the same time. In addition, thanks to the vertical alignment (“homeotropic” structure) of the liquid crystal layer, projected images also have much higher contrast.



D-ILA™ Operation

The light from the xenon lamp travels through a polarized beam splitter (PBS), which is reflected off the D-ILA™ device, then passed through the projection lens and onto the screen.



An Ideal Combination of Superb Picture Quality and User-Friendliness with Easy Setup

D-ILA™ device for next-generation image reproduction

The D-ILA™ (Direct Drive ILA) device provides high-resolution picture quality for the big screen. Utilizing a high-density reflective LCD with a homeotropic structure in which the LCD elements are aligned vertically, the D-ILA™ device produces extra-bright, high-resolution, high-contrast images.

Workstation-Quality Resolution, Brightness & Contrast

The D-ILA™ projector can project extra-high resolution images of up to 1,365 x 1,024 pixels. That means it can easily handle even the super-sharp clarity of an S-XGA (1,280 x 1,024 dots) image without scaling or loss of quality. And thanks to the “PS Combiner” that corrects optical waveforms to align the polarization, those images feature ultra-high brightness of 1500 ANSI lumens. And at the same time, they are displayed with a high-contrast ratio of 350:1. The result is extraordinarily clear and crisp images with higher text legibility and vivid color reproduction — even with moving images — without scaling or loss of quality.

Adaptive DPC Circuitry

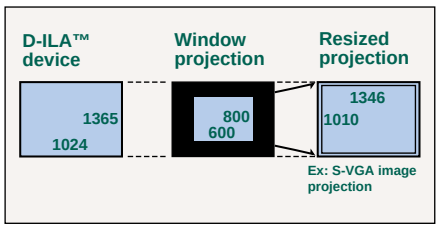
The Adaptive DPC (Digital Pixel Conversion) technology optimizes picture quality no matter what the input signal resolution to assure smooth, clear images. Variable scanning frequency capability with horizontal scanning frequencies ranging from 15 kHz to 82 kHz assures compatibility with a wide range of source signals.

Digital Gamma Correction

Newly developed 10-bit Digital Gamma Correction circuitry is incorporated to facilitate more accurate gray scale and color reproduction. Even the intricately colored images created by graphics workstations can be clearly reproduced and displayed on the screen, thanks to improved color tracking and “real” black reproduction capability that assures crisp blacks for cleaner, sharper, more detailed images.

Resizing Function

The combination of the high-definition D-ILA™ device with our innovative Adaptive DPC (Digital Pixel Conversion) circuitry enables the D-ILA™ projector to project “expanded” XGA images (1,024 x 768 pixels), S-VGA images (800 x 600 pixels), and VGA images (640 x 480 pixels), as well as fully dot-to-dot coincident S-XGA images (1,280 x 1,024 pixels). Optimum pixel conversion is performed by the incorporated Adaptive DPC circuitry according to the characteristics of the projection source signals. The result is amazingly natural picture reproduction.



To project image data with a different number of pixels from that of the built-in device, you can use either the “Window projection” or “Resizing projection” method.

- **Resizing projection**: Adaptive DPC circuit expands the original data to a full-screen image.
- **Window projection**: If the source signal has lower resolution than the D-ILA™ device, the projected image appears at the same resolution as the input source, with a black frame around it.

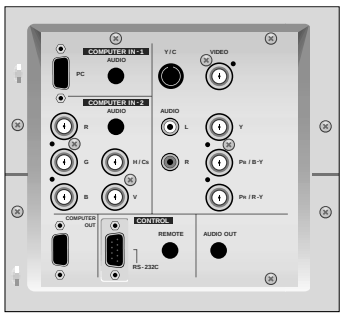
Quality and

User-Replaceable Xenon Lamp

This Xenon lamp assures “true” color reproduction and a natural, realistic image — equivalent to that seen in movie theaters. With extra-high brightness of 1,500 ANSI lumens, projected images can be viewed comfortably even under fluorescent light. Moreover, unlike the metal halide lamps used in conventional projectors, the Xenon lamp can produce a projection image with “real” color.

Full signal input capability

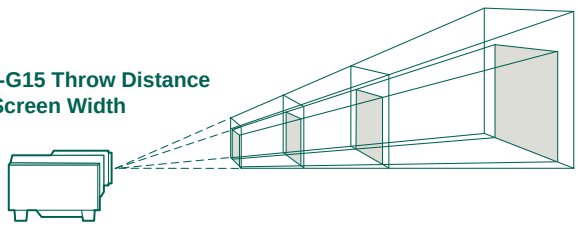
As a projector designed for multimedia applications, the D-ILA™ projector is equipped with a full array of input connectors, allowing virtually any type of image signal to be displayed. Component inputs let you connect advanced motion-picture equipment, while the two provided PC inputs enable you to switch between source signals from two different computers.



Quick & Easy Setup

The D-ILA™ projector’s quick-start design makes it possible to start operation within 2 minutes of switching on the power. Single lens construction eliminates the need to adjust the various registrations, while the power zoom and power focus functions greatly reduce the need for projector alignment.

DLA-G15 Throw Distance vs. Screen Width

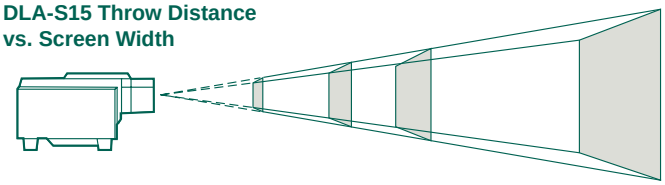


Screen Size (Diagonally) (Width)		(inches)	70	100	120	200
		(m)	1.42	2.03	2.44	4.06
		(ft)	4.66	6.66	8.00	13.32
Throw Distance	Tele	(m)	4.13	5.86	7.01	11.63
		(ft)	13.55	19.22	22.99	38.15
	Wide	(m)	2.77	3.91	4.57	7.72
		(ft)	9.09	12.82	14.99	25.32

DLA-S15 Rear Projector

Designed exclusively for rear projection use, the DLA-S15 incorporates a high-performance wide-angle 1:1 lens to provide accurate projection images.

DLA-S15 Throw Distance vs. Screen Width



Screen Size (Diagonally) (Width)	(incles)	40	80	100	200
	(m)	0.81	1.63	2.03	4.06
	(ft)	2.66	5.33	6.66	13.32
Throw Distance	(m)	0.76	1.56	1.97	3.98
	(ft)	2.49	5.12	6.46	13.06

User Friendly Design

Designed with easy handling in mind, the compact, lightweight projector can even be carried with one hand. Remote-control capability and a comprehensive on-screen display make this projector very easy to operate. An RS-232C serial communication port is also provided so the projector can be controlled directly from a computer.

Other features include

● On-screen menu (6-language selectable) ● Auto-alignment function for automatic adjustment of tracking, phase and position ● Up-down/left-right inversion ● Selectable color temperature (High/Mid/Low) ● Selectable background color (when no signal is input) ● 1000 hours of lamp life ● Lamp life “warning” indicator ● Lamp “sleep” function — in the absence of any signal for a preset time (10 min., 20 min., 30 min. or 60 min. selectable), the lamp is automatically shut off for safety and power saving

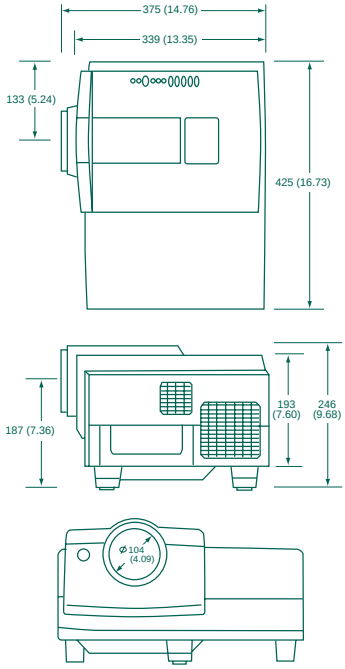
SPECIFICATIONS

Image Device		3 D-ILA™ (0.9 inches diagonal)
Projection Lens		
DLA-G15		2 : 1 – 3 : 1
		(Throw distance : Screen width)
		Powered Zoom
		50% off-axis
DLA-S15		1 : 1
		(Throw distance : Screen width)
		on axis
Brightness		1,500 ANSI lumens
Resolution		1,365 x 1,024 pixels
		full coverage of S-XGA (1,280 x 1,024) Graphics
		(S-XGA, XGA, S-VGA, VGA)
Contrast Ratio		More than 350 : 1
Color Reproduction		16.7 million colors
Scan Frequency		
Horizontal		15 – 82 kHz
Vertical		50 – 78 Hz
Input		Analog RGB x 2
		(D-Sub (female) x 1, R,G,B,H,V x 1)
		Y/C-Separated x 1
		Composite x 1
		Component x 1 (Y/R-Y/B-Y, Y/ P_B/ P_R for HDTV)
Output		
PC Monitor		D-sub (female)
Audio		Stereo
Throw Distance		
DLA-G15		2.5 m – 20 m (8.2 ft – 65.6 ft)
DLA-S15		0.76 m – 3.98 m (2.5 ft – 13.1 ft)
Screen Size		
DLA-G15		
Wide	width	1,280 mm – 10,587 mm
	diagonal	63" – 521"
Tele	width	854 mm – 7,011 mm
	diagonal	42" – 345"
DLA-S15	width	813 mm – 4,064 mm
	diagonal	40" – 200"
Lamp		420 watts, Xenon
Audio		Built-in stereo speakers (1 W + 1 W stereo)
Input Power		
U type		100 – 120 V, 50/60 Hz AC
E type		200 – 240 V, 50/60 Hz AC
Power Consumption		660 W
Dimensions (WxHxD)		
DLA-G15		425 x 246 x 339 mm (16.73" x 9.68" x 13.35")
		excluding lens
DLA-S15		425 x 246 x 416 mm (16.73" x 9.68" x 16.38")
		excluding lens
Weight		
DLA-G15		14.8 kg (32.56 lbs)
DLA-S15		14.9 kg (32.9 lbs)
Provided Accessories		AC cable, Wireless (infrared) remote control
		PC connection cable
		(D-sub 15-pin male – D-sub 15-pin male)
		Adapter for Macintosh
		AV cable, Audio cable, BNC-RCA adapter,
		Lens cap, Operation manual
		Battery for remote control unit x 2

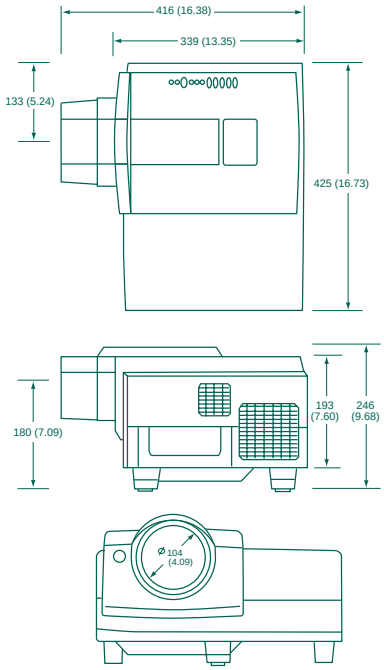
Dimensions

Unit: mm (inches)

DLA-G15



DLA-S15



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