

JVC[®]
PROFESSIONAL

D-ILA™ PROJECTOR
DLA-M2000L



2000 ANSI Lumens

SXGA

Versatile, heavy-duty projector with four optional lenses and stacking capability for brilliant, high-resolution SXGA image projection.

From boardrooms to auditoriums, the DLA-M2000L Projector's four optional lenses give you the flexibility you need to deliver bright, high-quality big-screen images wherever you need them. Combining true SXGA resolution with 2000 ANSI lumens of brightness, the DLA-M2000L delivers exceptional image reproduction quality in any setting. Flexible installation configurations and a simplified setup procedure make this new-style projector versatile enough to satisfy any professional requirements.



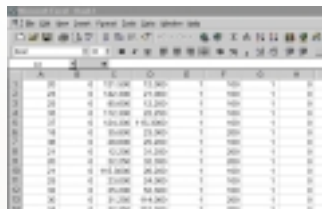
“D-ILA™ Quality” — natural, smooth image with optimized contrast

JVC's original D-ILA™ technology for unsurpassed image quality

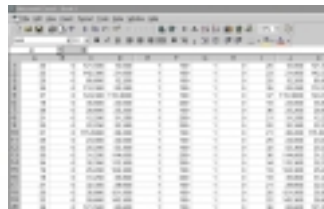
JVC's D-ILA™ (Direct Drive Image Light Amplifier) technology features a high-density, reflective liquid crystal structure that provides you with today's optimal combination of brightness, resolution, contrast and color for the big screen. Thanks to a 93% aperture ratio, it also provides the highest native resolution with the least visible pixels, making images as smooth and natural as film.

1,365 x 1,024 native resolution for true SXGA resolution without compression plus UXGA compatibility

With extra-high resolution of up to 1,365 x 1,024 pixels, the DLA-M2000L easily handles even the super-sharp clarity of an SXGA (1,280 x 1,024 pixels) image. It reproduces the picture without the scaling or loss of quality typically associated with projection of high-resolution computer graphics and CAD/CAM images. With video resolution of 1000 TV lines, small text, characters, icons and cursors are clearly legible even at the corners of the projected image. Moreover, the DLA-M2000L has input capability up to 105 kHz, making it compatible with resolutions as high as UXGA (1,600 x 1,200).



Ordinary resolution

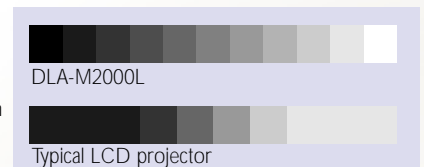


SXGA resolution

Technologies for enhanced image quality

The powerful image reproduction performance of the DLA-M2000L is enhanced by an array of unique JVC imaging technologies that assure the best possible results with any image source.

- **High-brightness 2000 ANSI lumens and extra-high 350:1 contrast ratio**
With a high brightness level of 2000 ANSI lumens and an extra-high contrast ratio of 350:1, the DLA-M2000L will never leave your audience in the dark. Even under bright lighting conditions, the DLA-M2000L delivers bright, clear images with sharp details, crisp edges, realistic color and true black reproduction.
- **550 W xenon lamp**
The powerful 550 W xenon lamp accurately reproduces the image's original colors, assuring true color reproduction and natural-looking images.
- **Adaptive DPC (Digital Pixel Conversion) Technology**
This optimizes image scaling to best match the D-ILA™'s pixels, eliminating the annoying jagged edges found with other digital technologies. As a result, you can obtain smooth and natural images regardless of the source resolution (up to 105 kHz).
- **Digital Gamma Correction**
With accurate color reproduction capability, this circuitry provides superior color performance by ensuring accurate gray scale, from sheer black to shining white. That's critical for all your images, from subtle skin tones in home theater screenings to the complex coloration of workstation graphics.
- **Color Enhancement Technology**
This compensates for color contours to eliminate blur for crisper and sharper video images.



Comparison of gradation characteristics

Four optional lenses for flexible applications

With easy replacement of the lenses and power focus capability, this projector is versatile enough for a wide range of applications, ensuring high-resolution SXGA picture reproduction with minimized ghosting and flare under any conditions.

GL-M2920ZG standard zoom lens (2:1 — 3:1, 50% off axis)



With the 2:1 — 3:1 zoom lens, the DLA-M2000L can project clear, crisp images in large, bright venues such as auditoriums, corporate meeting rooms, and conference halls.



GL-M2915SG short-focus fixed lens (1.5:1, 30% — 55% manual shift)



The adjustable 1.5:1 (2% zoom) lens ensures you can obtain optimal projection images even when using two DLA-M2000Ls. As this lens has the same projection ratio as that used in many CRT projectors, a GL-M2915SG-equipped DLA-M2000L makes an ideal replacement for an existing CRT projector.

GL-M2930SZG long-focus zoom lens (2.9:1 — 5.5:1, 30% — 55% manual shift)



Installing the long-focus 2.9:1 — 5.5:1 zoom lens allows you to use the DLA-M2000L in boardrooms, large conference halls, event hall, etc. By installing two DLA-M2000Ls in a stacked configuration, you can obtain an even higher level of brightness. Manual shift capability is also provided, so you won't have to reposition the projection screen.

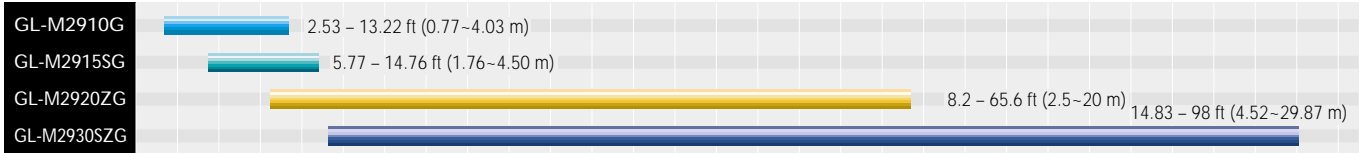


GL-M2910G short-focus fixed lens for rear projection (1:1, 0% on axis)



With this wide-angle 1:1 lens, you can use the DLA-M2000L as a rear projector. You'll get accurate projection images without picture distortion (0.2% TV distortion for a 70-inch screen). High-resolution graphics and CAD images created by PCs and workstations can be clearly displayed.

Throw Distance range for each lens



Throw Distance vs. Screen Size

Screen Size (4:3 aspect ratio)			Throw Distance					
Diagonal	Width	Height	GL-M2910G fixed (1:1)	GL-M2915SG fixed (1.5:1)	GL-M2920ZG zoom (2:1 - 3:1)		GL-M2930SZG zoom (2.9:1 - 5.5:1)	
					Wide	Tele	Wide	Tele
40"	2.66 ft (0.81 m)	2.00 ft (0.61 m)	2.53 ft (0.77 m)	-	-	-	-	14.83 ft (4.52 m)
60"	4.00 ft (1.22 m)	2.98 ft (0.91 m)	3.84 ft (1.17 m)	5.77 ft (1.76 m)	-	11.64 ft (3.55 m)	-	22.04 ft (6.72 m)
80"	5.35 ft (1.63 m)	4.00 ft (1.22 m)	5.18 ft (1.58 m)	7.77 ft (2.37 m)	10.33 ft (3.15 m)	15.42 ft (4.7 m)	15.55 ft (4.74 m)	29.29 ft (8.93 m)
150"	10.00 ft (3.05 m)	7.51 ft (2.29 m)	9.87 ft (3.01 m)	14.76 ft (4.50 m)	19.09 ft (5.82 m)	28.70 ft (8.75 m)	28.86 ft (8.80 m)	54.58 ft (16.64 m)
200"	13.32 ft (4.06 m)	10.00 ft (3.05 m)	13.22 ft (4.03 m)	-	25.32 ft (7.72 m)	38.15 ft (11.63 m)	38.38 ft (11.70 m)	72.65 ft (22.15 m)
300"	20.01 ft (6.10 m)	14.99 ft (4.57 m)	-	-	38.05 ft (11.54 m)	57.07 ft (17.40 m)	57.37 ft (17.49 m)	-
400"	26.64 ft (8.13 m)	20.01 ft (6.10 m)	-	-	50.35 ft (15.35 m)	-	76.39 ft (23.29 m)	-
500"	33.32 ft (10.16 m)	24.99 ft (7.62 m)	-	-	62.88 ft (19.17 m)	-	95.38 ft (29.08 m)	-

Versatile presentation support system

Digital keystone correction

Keystone correction of $\pm 20^\circ$ is possible, enabling easier and more versatile setup.



16x digital zoom function

The picture can be magnified up to 16x.

Freeze function

Lets you freeze the current image (still picture), so you can set up the next presentation.

User selectable color temperature

The optimum color temperature can be set for each media source (TV/film), making images smoother and more natural.

User channel presets

Up to 40 user channels (freq./phase/H Pos./V Pos./HV resolution/ tone selection) can be preset, including 10 channels that can be linked with an external switcher. This assures flexibility and ease of use even with highly specialized applications.

Major Specifications

Image Device	3 D-ILA™ (0.9 inches diagonal)
Projection Lens (optional)	
GL-M2920ZG	2:1 – 3:1 zoom, 50% off axis
GL-M2930SZG	2.9:1 – 5.5:1 zoom, 30% – 55%, manual shift
GL-M2915SG	1.5:1 fixed, 30% – 55%, manual shift
GL-M2910G	1:1 fixed, 0% on axis
Brightness	2,000 ANSI lumens
Native Resolution	1,365 x 1,024 pixels (full coverage of SXGA (1,280 x 1,024) graphics (SXGA, XGA, SVGA, VGA))
Source Resolution	Up to 1,600 x 1,200 (compression of UXGA) (UXGA 60 Hz)
Contrast Ratio	More than 350 : 1
Color Reproduction	16.7 million colors (SXGA 60 Hz)
Scan Frequency	
Horizontal	15 – 105 kHz
Vertical	50 – 100 Hz
Data Clock	160 MHz
Screen Size (inch:diagonal, 4:3) (m:width)	
2:1 – 3:1 zoom	
Wide	63" – 521" (1.28 m – 10.59 m)
Tele	42" – 345" (0.85 m – 7.01 m)
2.9:1 – 5.5:1 zoom:	
Wide	80" – 510" (1.63 m – 10.36 m)
Tele	40" – 270" (0.81 m – 5.49 m)
1.5:1	60" – 150" (1.22 m – 3.05 m)
1:1	40" – 200" (0.81 m – 4.06 m)
Throw Distance:	
2:1 – 3:1 zoom	8.2 ft – 65.6 ft (2.5 m – 20 m)
2.9:1 – 5.5:1 zoom	14.83 ft – 98 ft (4.52 m – 29.87 m)
1.5:1	5.77 ft – 14.76 ft (1.76 m – 4.50 m)
1:1	2.53 ft – 13.22 ft (0.77 m – 4.03 m)
Lamp	550 watts, Xenon
Speaker	1.0 W, monaural
Inputs	Analog RGB x 2 (D-sub (female) x 1, R, G, B, H, V x 1) Component x 1 (Y/R-Y/B-Y, Y/PB/PR) Y/C separated x 1 Composite x 1
Output	PC monitor: D-sub (female)
Power Requirements	100 V – 240 V, 50/60 Hz AC
Power Consumption	850 W
Dimensions (WxHxD)	19.9" x 10.4" x 15.5" (excluding lens and upper projections) (505 x 265 x 393 mm)
Weight	34.32 lbs. (15.6 kg)

• **Wired remote control**

The remote control unit can be wired for more reliable operation.

• **RS-232C/mini-jack remote control**

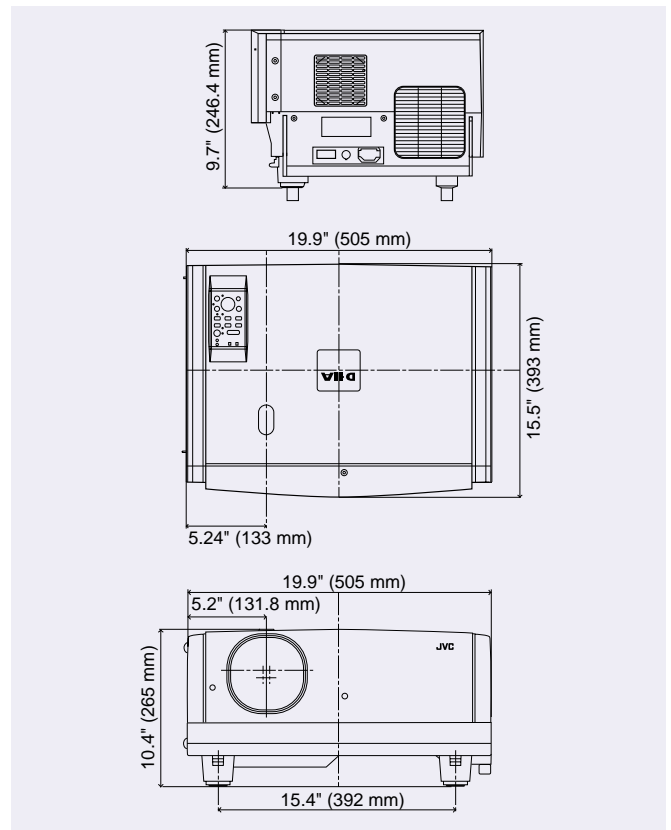
An RS-232C/mini-jack interface lets you control the projector from an external device, giving you a wider choice of system installation possibilities.



Connectors



Dimensions



Design and specifications subject to change without notice.

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