JVC®
PROFESSIONAL

D-ILA™ PROJECTOR
DLA-M2000SC
DLA-M2000L

JVC

2000 ANSI LUMENS
600:1 HIGH CONTRAST RATIO
(DLA-M2000SC)

SXGA

High-contrast, high-resolution SXGA image projectors
with four optional interchangeable lenses for maximum setup flexibility

From boardrooms to auditoriums, the DLA-M2000SC and DLA-M2000L projectors' 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-M2000SC and DLA-M2000L deliver exceptional image reproduction quality in any setting.
With the DLA-M2000SC, you also get extra-high contrast ratio of 600:1 that assures crisp, vivid images even in bright,
well-lit rooms. Flexible installation configurations and a simplified setup procedure make these projectors flexible
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-M2000 series 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-M2000 series has input capability up to 105 kHz, making it compatible with resolutions as high as UXGA (1,600 x 1,200).
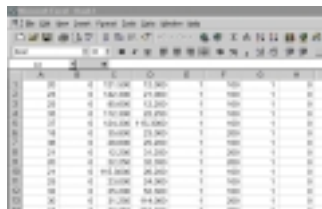
Ordinary resolution
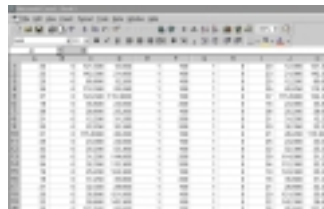
SXGA resolution

Technologies for enhanced image quality
The powerful image reproduction performance of the DLA-M2000 series 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**
  With a high brightness level of 2000 ANSI lumens supported by a powerful 550 W xenon lamp, the DLA-M2000 series projects clear, vivid images that can be viewed comfortably even in a bright, well-lit room.

- **Extra-high 600:1 contrast ratio** *(DLA-M2000SC)*
  With a super-sharp, extra-high contrast ratio of 600:1, the DLA-M2000SC projects images with sharp details, crisp edges, realistic color, true black reproduction and great depth. Even in a bright room, images are clear, sharp and natural looking.

- **Multiple input capability**
  DLA-M2000 series can accommodate a variety of high-definition digital broadcast signal formats including 480i/480P/720P/1080i. In addition, the DLA-M2000SC can accept 1080/24sF.

- **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.

DLA-M2000 series

Typical LCD projector
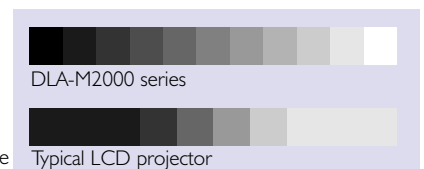
Comparison of gradation characteristics

- **Color Enhancement Technology**
  This compensates for color contours to eliminate blur for crisper and sharper video images.

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-M2000 series 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-M2000 series models together. As this lens has the same projection ratio as that used in many CRT projectors, a GL-M2915SG-equipped DLA-M2000 series 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-M2000 series in boardrooms, large conference halls, event hall, etc. By installing two DLA-M2000 series models in a stacked configuration, you can obtain an even higher level of brightness. Manual lens shift capability is also provided, so you won't have to reposition the projection screen.
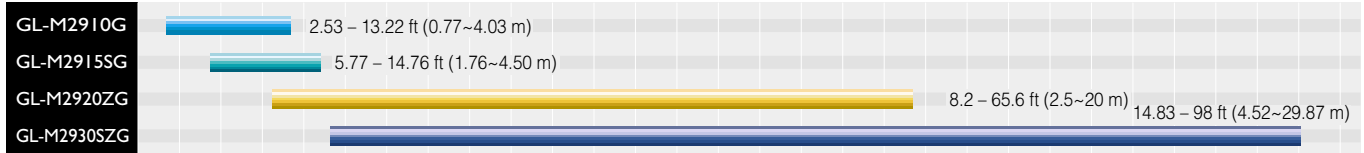
GL-M2910G
short-focus fixed lens for rear projection
(1:1, 0% on axis)

With this wide-angle 1:1 lens, you can use the DLA-M2000 series 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

Lens	Range
GL-M2910G	2.53 – 13.22 ft (0.77~4.03 m)
GL-M2915SG	5.77 – 14.76 ft (1.76~4.50 m)
GL-M2920ZG	8.2 – 65.6 ft (2.5~20 m)
GL-M2930SZG	14.83 – 98 ft (4.52~29.87 m)

Throw Distance vs. Screen Size

Screen Size (4:3 aspect ratio)			Throw Distance					
			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)	
Diagonal	Width	Height			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 ±20° is possible, enabling easier and more versatile setup.

Before correction   After correction   Before correction
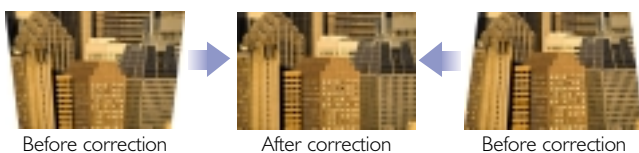
- **16x digital zoom function**
  The picture can be magnified up to 16x.

- **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	1.4 M pixels (1,365 x 1,024 pixels)
Sources	
Computer	VGA, SVGA, XGA, SXGA, UXGA, MAC, SUN, SGI, etc.
Video	PAL, SECAM, NTSC/NTSC 4.43
DTV (Digital TV)	DLA-M2000SC: 480i, 480p, 720p, 1080i, 1080/24sF DLA-M2000L: 480i, 480p, 720p, 1080i
Audio	2 sources (RCA, mini jack)
Source Resolution	Up to 1,600 x 1,200 (compression of UXGA) (UXGA 60 Hz)
Contrast Ratio	DLA-M2000SC: 600:1 DLA-M2000L: 350:1
Color Reproduction	16.7 million colors
Scan Frequency	
Horizontal	15 – 105 kHz
Vertical	50 – 100 Hz
Data Clock	160 MHz
Screen Size (width)	
2:1 – 3:1 zoom	
Wide	4.20 ft – 34.74 ft (1.28 m – 10.59 m)
Tele	2.79 ft – 22.99 ft (0.85 m – 7.01 m)
2.9:1 – 5.5:1 zoom	
Wide	5.35 ft – 33.98 ft (1.63 m – 10.36 m)
Tele	2.66 ft – 18.01 ft (0.81 m – 5.49 m)
1.5:1	4.00 ft – 10.00 ft (1.22 m – 3.05 m)
1:1	2.66 ft – 13.32 ft (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	
1 RGBHV (BNC)	Computer and DTV
1 Component (Y, Pr, Pb)	Video and DTV (1 RGBHV and 1 Component inputs use a common connector.)
1 RGB (D-sub 15-pin VGA)	Computer
1 Composite	
1 S-Video	
Output	PC monitor: D-sub (female)
Power Requirements	100 V – 120 V, 50/60 Hz AC
Power Consumption	850 W
Dimensions (W x H x D)	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.
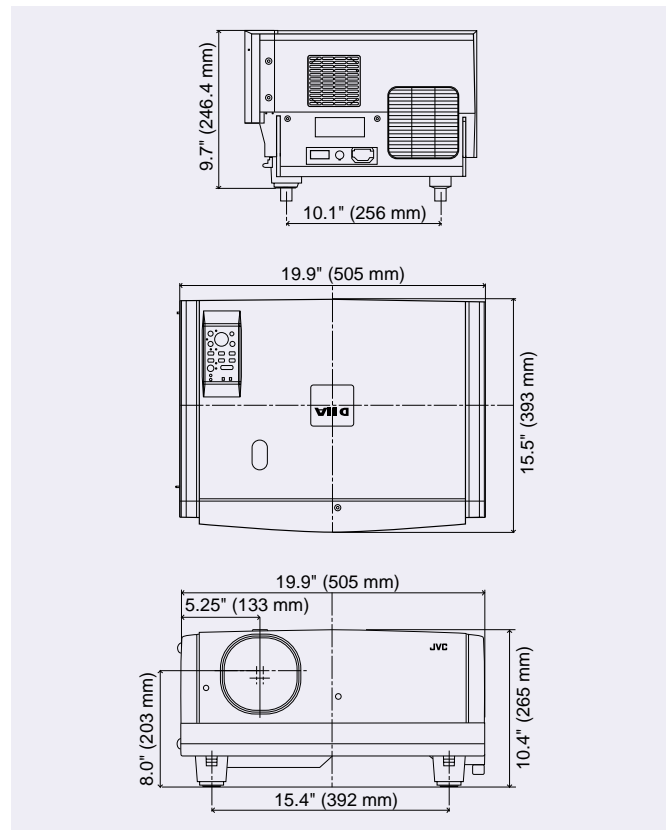- *RS-232C/mini-jack remote control*
  An RS-232C/mini-jack interface lets you control the projector from an external device, giving you a wider choice of system installation possibilities.

Connectors

Dimensions

9.7" (246.4 mm)
10.1" (256 mm)
19.9" (505 mm)
15.5" (393 mm)
19.9" (505 mm)
5.25" (133 mm)
8.0" (203 mm)
10.4" (265 mm)
15.4" (392 mm)

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