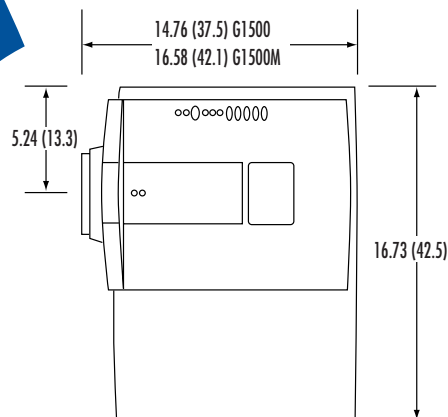


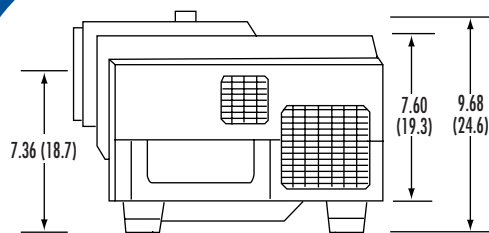
# Model G1500 / G1500M D-ILA™ Digital Graphics Projectors

Hughes-JVC Technology Corporation

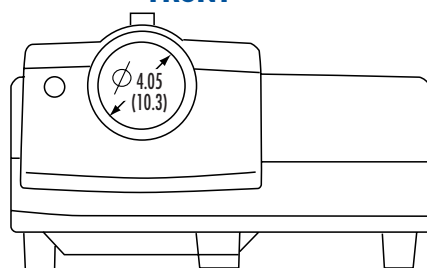
**TOP**



**SIDE**



**FRONT**



Units: inches (cm)

**DTV  
Compatible**

480i, 480p,  
720p, 1080i



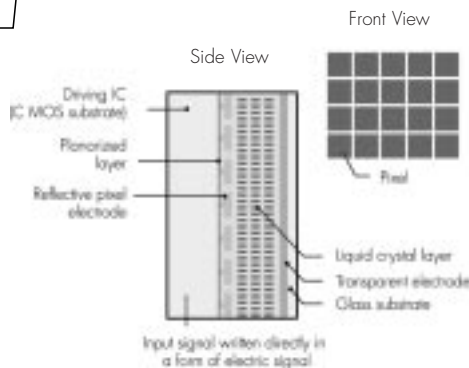
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## Preliminary NORTH AMERICAN SPECIFICATIONS

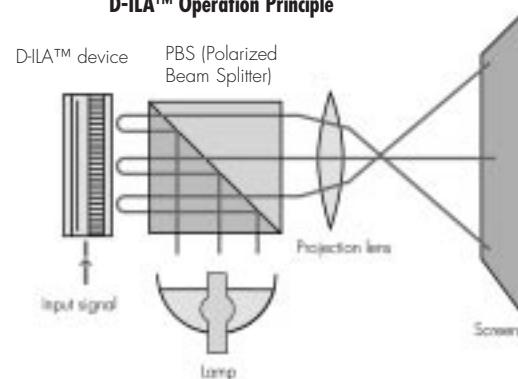
	G1500	G1500M
<b>Brightness</b>	1500 ANSI Lumens	
<b>Contrast</b>	Greater than 350:1	
<b>Horizontal Frequency</b>	15-82 kHz	
<b>Vertical Frequency</b>	50-78 Hz	
<b>Aspect Ratio</b>	4:3, 5:4 and 16:9	
<b>Digital TV Compatibility</b>	480i, 480p, 720p, 1080i	
<b>Source Compatibility (HxV)</b>	1365x1024	
<b>Graphics Resolution (HxV)</b>	1365x1024	
<b>Video Resolution</b>	1000 TVL	
<b>Color Reproduction</b>	16.7 million colors	
<b>Light Modulator</b>	3 D-ILA™ (0.9 inches diagonal) direct drive liquid crystal light valves	
<b>Power</b>	100-120 VAC, 50/60 Hz, 660 Watts	
<b>Light Source</b>	420 Watt Xenon Arc Lamp	
<b>Audio</b>	Built-in stereo speakers (1W + 1W stereo)	
<b>Lens Options</b>	Motorized Zoom with Motorized Focus: 2:1 - 3:1	Fixed: 1.5:1 with adjustable (30% to 50%) offset
<b>Inputs</b>	2 RGB (1RGBHV & one 9-pin VGA), Video and S-Video (Quad Standards), Component (Video & HDTV)	
<b>Outputs</b>	PC Monitor and stereo audio	
<b>Communications Ports</b>	1 RS-232 port for PC, remote or switcher control	
<b>Size (HxWxL)</b>	16.7"x9.7"x14.8" (42.5cm x 24.6cm x 37.5cm) excluding lens	16.7"x9.7"x16.6" (42.5cm x 24.6cm x 42.1cm) excluding lens
<b>Weight</b>	32.63 pounds (14.8 kg)	33.95 pounds (15.4kg)
<b>Accessories Included</b>	Operation Manual, Wireless Infrared Remote Control with Batteries, 2:1 - 3:1 Zoom Lens and Lens Cap, PC Connection Cable, Adapter for Macintosh, AV Cable, Audio Cable, BNC-RCA adapter, AC Power Cord	Operation Manual, Wireless Infrared Remote Control with Batteries, 1:1 Fixed Lens and Lens Cap, PC Connection Cable, Adapter for Macintosh, AV Cable, Audio Cable, BNC-RCA adapter, AC Power Cord

Specifications subject to change without notice.

## D-ILA™ Device Structure



## D-ILA™ Operation Principle



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our Web site: [www.hjt.com](http://www.hjt.com)

Ref: GEN-NA-G1500 August 1999

# Model G1500 / G1500M D-ILA™ Digital Graphics Projectors

Preliminary

## Hughes-JVC Technology Corporation

Big, bright, stunning projected images and projection of SXGA signals at full resolution — that's what you'll get with the D-ILA™ Digital Graphics G1500. It combines the superb picture quality of Hughes-JVC's industry-leading ILA® light valve projectors with the easy handling, user-friendliness and affordability of a lightweight portable projector. The G1500 is the high performance projector that's ideal for the multimedia age.

The G1500 (with zoom lens) and G1500M (with fixed focal length lens) are ideal for applications like boardrooms, conference rooms, universities and trade shows where you need a bright, clear image despite sometimes harsh room lighting. Their superior video picture makes them the perfect choice for high-end home theater systems. And, with true SXGA capability, you'll project eye-catching CAD drawings and workstation graphics that maintain complete fidelity to the original 1280 x 1024 high resolution image, with no dropped or distorted lines.



**1500 ANSI Lumens  
True SXGA Resolution**

### Proprietary D-ILA™ Technology

The D-ILA™ device is based on a unique 0.9" reflective CMOS chip. This "Direct-Drive Image Light Amplifier" is addressed digitally by the source signal. The light from the xenon lamp travels through a polarized beam splitter, reflects off the D-ILA™ device, passes through the projection lens and creates a high-quality image on the screen. The D-ILA's high pixel density of 1365 x 1024 and 93% aperture ratio provide outstanding light collection efficiency, resulting in both higher brightness and higher resolution than conventional LCD panels (whose transmissive design can block light and degrade the image with artifacts caused by the LCD's structure). In addition, the vertical alignment of the D-ILA's liquid crystal layer provides the projected image with vastly superior contrast ratios of 350:1. Exciting D-ILA technology produces crisp, clear, brilliant screen images that sizzle with excitement.

### Industry Leading Performance

The G1500 features superior brightness of 1500 lumens, contrast ratio greater than 350:1 and video resolution of 1000 TV lines. And you won't have to worry about projector obsolescence: unlike fixed matrix displays which limit resolution to 848x600 or 1024x768, the G1500 boasts graphics resolution of 1365x1024 and full HDTV compatibility. By every performance measure — brightness, color, contrast, resolution and ease of use — the G1500 is the best portable projection system for the multimedia age.

### Multimedia Capability

Our innovative Adaptive Digital Pixel Conversion (DPC) technology assures optimal pixel conversion from a wide range of input signals, eliminating the annoying jagged edges found with other digital technologies. This allows the G1500 to faithfully reproduce images at VGA (640x480), SVGA (800x600) and XGA (1024x768) resolutions, as SXGA images projected without conversion at 1280x1024, and signals from high-definition television, video decks, DVDs and NTSC sources. No matter what the resolution of the source signal, your picture will always look smooth, clear and amazingly natural.

### Natural Color Reproduction

Newly developed 10-bit Digital Gamma Correction circuitry provides smoother, more accurate gray scale and color reproduction. That's critical for all your images, from subtle skin tones in home theater screenings to the complex coloration of workstation graphics.

### Powerful Light Output

Hughes-JVC's newly-developed 420 Watt Xenon Arc Lamp, with a spectral distribution close to that of natural light, produces pure, white illumination of 1500 ANSI lumens. Plus, the G1500's unique, light-collecting technology produces an 85% light roll-off, for images that are bright, well-defined, and uniform from corner to corner.

### Variable Mounting Positions

Flexible mounting capabilities allow a wider range of applications. The G1500 may be mounted on the ceiling or tabletop in either upright or inverted position, front or rear projection.

### Quick and Easy Setup

The G1500 projector's quick-start design lets you start operation within 2 minutes of switching on the power. Single lens construction eliminates the need for convergence adjustments, while the power zoom and power focus functions greatly reduce the need for projector alignment. And remote-control capability with comprehensive on-screen menus make the G1500 one of the most user friendly projectors in its class.

**DTV  
Compatible**

480i, 480p,  
720p, 1080i



**The Best Picture in the Business™**