



PERFORMANCE SPECIFICATIONS

Brightness ($\pm 10\%$)
4,500 ANSI lumens

Contrast Ratio ($\pm 10\%$)
>1000:1 full-field

Display Type
3 x Dark Metal DMD™ (one per R, G, B)

DMD Specification
gv - 0.7" 1024 x 768 pixels
HD - 0.8" 1280 x 720 pixels

Sealed Optic at DMD™ Interface
Protects DMD's™ from optical contamination

Source Compatibility
NTSC, PAL, SECAM, HDTV, VGA, SVGA,
XGA, SXGA, SGI, UXGA, MAC & DVI
SD/HD-SDI (optional)

PC Card
2 x PC card slots used for:
• wireless LAN (see Network Connection)
• data back-up/firmware upload
• computer-less presentations

Video Processing
DigiScale - accurate image resizing for
faithful reproduction of all displayed sources
DigiView - optimized video processing,
deinterlacing and 3:2 pull-down

Geometry
DigiWarp - User definable control over
all image geometry. Horizontal / vertical
and keystone warp correction for both
cylindrical and spherical displays.

Analog Sync Formats
Separate sync/composite
sync/sync on green

Network Connection
RJ45 wired LAN; wireless LAN capable
with IEEE 802.11 PC card (optional)

Lamp Type
Dual High Intensity Discharge (HID)

Lamp Life¹
1,500 hours in dual lamp mode

Lens Mount
Horizontal and vertical lens shift,
motorized zoom and focus, accessed
via remote control/rear control panel/
R232/LAN

Lens Shift (maximum)
Fixed lenses on gv-
Vert: ± 0.16 frame; Hor: ± 0.1 frame
Fixed lenses on HD- on axis only
Zoom lenses on gv-
Vert: +0.5, -0.16 frame; Hor: ± 0.25 frame
Zoom lenses on HD-
Vert: +0.5, -0.16 frame; Hor: ± 0.1 frame

Mechanical Mounting
Front/rear table
Front/rear ceiling

Lens Options
gv-
0.8 :1 fixed
1.2 :1 fixed
1.5-1.8 :1 zoom
1.8-2.25:1 zoom
2.25-3.0:1 zoom
3.0-4.5 :1 zoom
4.5-7.0 :1 zoom
HD-
0.64 :1 fixed
0.96 :1 fixed
1.2-1.44:1 zoom
1.44-1.8:1 zoom
1.8-2.4 :1 zoom
2.4-3.6 :1 zoom
3.6-5.6 :1 zoom

Dimensions (excludes feet)
21.1in(L) x 20.9in(W) x 10.6in(H)
534.9mm(L) x 530.2mm(W) x 269.7mm(H)

Weight (chassis only)
55lbs (25kg)

Digital Projection International proudly offers the MERCURY 5000 series, compact 3-chip DLP™ projection systems that exemplify the compelling imaging performance you have come to expect from Digital Projection.

Weighing only 55 lbs, the small-footprint MERCURY 5000gv and 5000HD delivers brightness of 4,500 ANSI lumens. Dark Metal DLP™ technology by Texas Instruments assures brilliant, high-contrast imagery with exceptional luminance uniformity. Remarkable greyscale depth of 14-bits per DMD™ creates more than four trillion on-screen colors.

With their rugged construction, extensive source-compatibility and inherent digital stability, the MERCURY 5000gv and 5000HD are unmatched imaging tools for business, education, religious, staging and alternative content cinema applications. DPI's low-cost, long-life lamp systems and the inherent reliability of DLP™ technology also make them perfect for critical applications such as command and control and public displays.

As is the case with all Digital Projection products, our careful engineering and attention to quality assures MERCURY projectors provide impeccable imaging performance for the long-term.

The MERCURY 5000 series—compact, awe-inspiring displays—bringing the precision of Digital Projection to every venue.

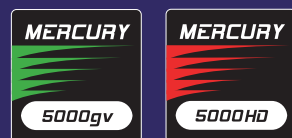
INPUT/OUTPUT CAPABILITIES

Type	Connector	Quantity
RGB/YCr/Pr, Cb/Pb, H/V, V Stereo audio	BNCx5 RCAx2	1
RGB H/V HV Stereo audio	D Sub (15-pin) stereo mini	1
Composite Video Stereo audio	BNC RCAx2	1
S-Video Stereo audio	4-pin mini DIN RCAx2	1
Digital RGB Stereo audio	DVI-D stereo mini	1
Stereo audio output	RCAx2	1

Optional Media Cards

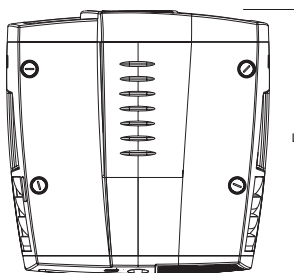
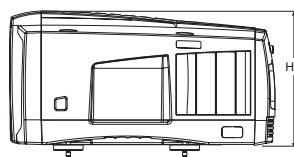
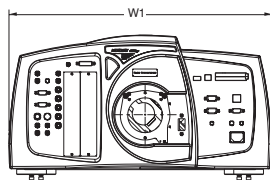
Serial Digital I/O		
HD/SD SDI (SMPTE 259M/292M)	BNC	2
HD/SD SDI loop through	BNC	1
RGB/YCr/Cb H(HV)V	BNCx5	1
Stereo audio	RCAx2	1

¹ See Digital Projection's Product Warranty Statement for details on lamp warranty



MERCURY 5000 series

DIGITAL PROJECTION



Projector dimensions (in)
W1 20.9 H1 10.6 L1 21.1

Projector dimensions (mm)
W1 530.2 H1 269.7 L1 534.9



ADVANCED TECHNICAL SPECIFICATIONS

PARAMETER	 
Native Color Temperature	7500°K ±1000°K; white balance-adjustable 3000°K to 9000°K
HDTV Formats Supported	1080i, 1080p, 720p, 480i, 480p
Scan Rates Supported	Horizontal: 15kHz to 100kHz / Vertical: 48Hz to 120Hz
Remote Control	Addressable IR remote control (wireless/wired with loop-thru); USB mouse connection
Automation Control	RS232 9-pin D type with loop-thru; contact closure and external control via 15-pin D type; LAN connection via RJ45; screen trigger on mini jack
Operating/Storage Temperature	Operating: 0 to 35°C / Storage: -10 to 50°C
Operating Humidity	20 to 80% non-condensing
Thermal Dissipation	3412 BTU
Fan Noise	Less than 50dBA
Power Requirements	100-240 VAC, 50/60Hz - auto switching
Power Consumption	1.0kW (100-240V)

PROJECTOR	PART NO.	LENSES		PART NO.	ACCESSORIES	PART NO.
Mercury 5000gv	001-560	gv-	HD-		Replacement lamp	001-742
Mercury 5000HD	102-834	0.8 :1 fixed	0.64 :1 fixed	001-734	Ceiling mount	001-763
		1.2 :1 fixed	0.96 :1 fixed	001-735	Stacking adapters	103-486
		1.5-1.8 :1 zoom	1.2-1.44:1 zoom	001-736	LAN card	001-723
		1.8-2.25:1 zoom	1.44-1.8:1 zoom	001-737	SDI media card	001-720
		2.25-3.0:1 zoom	1.8-2.4 :1 zoom	001-738	Analog RGB/component media card	001-722
		3.0-4.5 :1 zoom	2.4-3.6 :1 zoom	001-739		
		4.5-7.0 :1 zoom	3.6-5.6 :1 zoom	001-740		

