



### PERFORMANCE SPECIFICATIONS

**Brightness** (±20%)  
4,500 ANSI lumens

**Contrast Ratio** (±10%)  
>1200:1 full-field

**Display Type**  
gv: 3 x DarkChip™ DMD (one per R, G, B)  
HD: 3 x DarkChip™ 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 Life** (typical)<sup>1</sup>  
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 16-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.

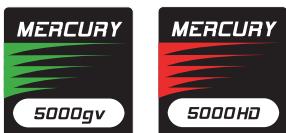
As is the case with all Digital Projection products, our careful engineering and attention to quality assures MERCURY projectors provide impeccable imaging performance for the long-term.

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

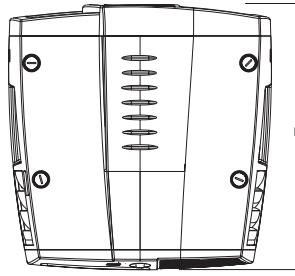
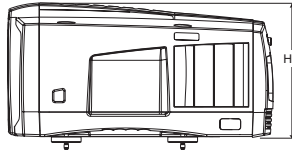
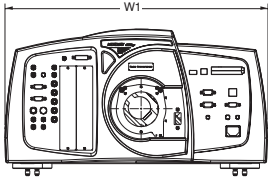
### INPUT/OUTPUT CAPABILITIES

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
<b>Optional Media Cards</b>		
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 Stereo audio	BNCx5 RCAx2	1 1

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



# MERCURY 5000 series



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		

