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, SXI, 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)
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:
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 10.8in(H)
534.9mm(L) x 530.2mm(W) x 269.7mm(H)

Weight
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

<table>
<thead>
<tr>
<th>Type</th>
<th>Connector</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>RGB/YCrPr/Cb/Pb, HV, V</td>
<td>BNCx5</td>
<td>1</td>
</tr>
<tr>
<td>Stereo audio</td>
<td>RCAx2</td>
<td>1</td>
</tr>
<tr>
<td>RGB H/V</td>
<td>D Sub (15-pin) stereo mini</td>
<td>1</td>
</tr>
<tr>
<td>Stereo audio</td>
<td>BNC</td>
<td>1</td>
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<tr>
<td>Composite Video</td>
<td>RCAx2</td>
<td>1</td>
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<tr>
<td>Stereo audio</td>
<td>4-pin mini DIN</td>
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<tr>
<td>Digital RGB</td>
<td>DVI-D</td>
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<tr>
<td>Stereo audio</td>
<td>stereo mini</td>
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<tr>
<td>Stereo audio output</td>
<td>RCAx2</td>
<td>1</td>
</tr>
</tbody>
</table>

Optional Media Cards

Serial Digital I/O
HD/SD SDI (SMPTE 259M/292M)
HD/SD SDI loop through
RGB/YCr/Cb H/HV
Stereo audio

1 See Digital Projection’s Product Warranty Statement for details on lamp warranty
# ADVANCED TECHNICAL SPECIFICATIONS

<table>
<thead>
<tr>
<th>PARAMETER</th>
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<th>PARAMETER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Native Color Temperature</td>
<td>7500°K ±1000°K; white balance-adjustable 3000°K to 9000°K</td>
<td>MERCURY 5000gv</td>
</tr>
<tr>
<td>HDTV Formats Supported</td>
<td>1080i, 1080p, 720p, 480i, 480p</td>
<td>MERCURY 5000HD</td>
</tr>
<tr>
<td>Scan Rates Supported</td>
<td>Horizontal: 15kHz to 100kHz / Vertical: 48Hz to 120Hz</td>
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</tr>
<tr>
<td>Remote Control</td>
<td>Addressable IR remote control (wireless/wired with loop-thru); USB mouse connection</td>
<td></td>
</tr>
<tr>
<td>Automation Control</td>
<td>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</td>
<td></td>
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<tr>
<td>Operating/Storage Temperature</td>
<td>Operating: 0 to 35°C / Storage: -10 to 50°C</td>
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<tr>
<td>Operating Humidity</td>
<td>20 to 80% non-condensing</td>
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<tr>
<td>Thermal Dissipation</td>
<td>3412 BTU</td>
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<tr>
<td>Fan Noise</td>
<td>Less than 50dBA</td>
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<tr>
<td>Power Requirements</td>
<td>100-240 VAC, 50/60Hz - auto switching</td>
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<tr>
<td>Power Consumption</td>
<td>1.0kW (100-240V)</td>
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## PROJECTOR

<table>
<thead>
<tr>
<th>PROJECTOR</th>
<th>PART NO.</th>
<th>LENSES</th>
<th>PART NO.</th>
<th>ACCESSORIES</th>
<th>PART NO.</th>
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<tbody>
<tr>
<td>Mercury 5000gv</td>
<td>001-560</td>
<td>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</td>
<td>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</td>
<td>Replacement lamp</td>
<td>001-742</td>
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<tr>
<td>Mercury 5000HD</td>
<td>102-834</td>
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<td>Ceiling mount</td>
<td>001-763</td>
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<td>Stacking adapters</td>
<td>103-486</td>
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<td>LAN card</td>
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<td>SDI media card</td>
<td>001-720</td>
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<td>Analog RGB/component media card</td>
<td>001-722</td>
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</tbody>
</table>