**Mercury 930 1080p 3D (Preliminary)**

13,500 Lumens | Contrast Ratio: 2,000:1 | Part No:

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**Colour System:**
3-chip DLP®

**DMD Specification:**
1920 x 1080 pixels native.
Fast transit pixels for smooth greyscale and improved contrast.

**Display Type:**
3 x 0.95" DarkChip™ DMD™

**Aspect Ratio:**
16x9

**Fill Factor**
87%

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**Key Features**

**Standard Inputs (1-8): Front End Video Capabilities**

**Video & Graphics Processing**
- High bandwidth digital & analog receiver with 10 bit A-D.
- Automatic detection of interlaced video and implementation of 3:2 or 2:2 extraction as appropriate, with pixel based, motion adaptive interpolation and auto cadence correction.
- Displayed image frame locked to input with as low as 1 frame total latency.
- 24p and 1080p native display.
- Image enhancement for MPEG, Mosquito noise & color transients in composite sources.

**Geometry Correction**
- Cornerstone, Vertical & Horizontal Keystone, Pincushion & Barrel, and Image Rotation.
- Non-linear Warp adjustment by moving points on an interpolated grid.

**Edge Blending**
- Semi-automated multi projector tiling
- Correction for non-active pixels at the edge of the display.

**HDBaseT® Interface**
- Built in support for transmission of uncompressed High Definition Video over standard CAT5e/6 LAN cable.
- Allows projector to be placed up to 100m from source with low cost cabling.

**Super Image Clarity**
- Geometry correction and Edge Blending implemented in single stage process, retaining maximum image resolution.

**Picture in Picture**
- Two sources can be displayed either one within the other (PIP), or side by side, with original aspect ratios maintained.

**ColorMax™**
- Accurate matching of projectors in tiled or blended applications.
- User selection and storage of primary and secondary color targets.

**High Bandwidth Inputs (9-11): Bypassing Front End for Minimal Latency**
- Pixel mapped to the display.
- HDMI 1.4 for Side by Side, Frame Packing & Top Bottom formats.
- Dual Flash Processing can be used to multiply the displayed frame rate for 3D sources (example 144Hz display).
- FastFrame™ Smear Reduction.
- Dual Pipe processing: two sources in parallel for left and right eyes.
- Synchronisation of active glasses or polarising switcher.

Projector Controller Software
- Intuitive user interface for network control
- Simultaneous control of user-defined groups of projectors
- At-a-glance monitoring of projector status

Source Compatibility:
3GSDI is SMPTE 292M, SMPTE 259M-C and SMPTE 424M compliant.
HDMI and DVI include Deep Color™ processing up to 36 bit.
DVI inputs are HDMI compatible.
Digital Audio Extraction via SPDIF for HDMI sources.
Graphics standards up to 1920 x 1200 at 60Hz via DVI or VGA.
Component Video (SD and HD) via YPrPb, RGB or RGBS.
S-Video (PAL, NTSC & SECAM)
Composite Video (PAL, NTSC & SECAM)

High Bandwidth, Pixel Mapped Path:
Dual Pipe accepts graphics standards up to 1920 x 1200 at 120Hz.
HDMI 1.4 including 3D Standards
Dual Pipe (2 x DVI)

Inputs/Outputs

<table>
<thead>
<tr>
<th>Video &amp; Computer</th>
<th>Type</th>
<th>Connector</th>
<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>DVI-D / DVI-A</td>
<td>DVI-I</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>HDMI 1.3</td>
<td>HDMI</td>
<td>1</td>
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<tr>
<td></td>
<td>3G-SDI</td>
<td>BNC</td>
<td>1</td>
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<td>HDBaseT</td>
<td>RJ45</td>
<td>1</td>
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<tr>
<td></td>
<td>VGA / Analog RGB</td>
<td>15-pin D-Sub</td>
<td>1</td>
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<tr>
<td></td>
<td>Component Video</td>
<td>4 x BNC</td>
<td>1</td>
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<tr>
<td></td>
<td>S-Video</td>
<td>4-pin Mini DIN</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>Composite Video</td>
<td>RCA</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>Composite Video</td>
<td>BNC</td>
<td>1</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>High Bandwidth Ports</th>
<th>Type</th>
<th>Connector</th>
<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dual Pipe</td>
<td>DVI-D</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>HDMI 1.4</td>
<td>HDMI</td>
<td></td>
<td>2</td>
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</table>

Audio

<table>
<thead>
<tr>
<th>Type</th>
<th>Connector</th>
<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPDIF Digital Output</td>
<td>RCA</td>
<td>1</td>
</tr>
</tbody>
</table>

3D Formats Supported
- Frame Packing
- Dual Pipe
- Frame Sequential
- Side By Side (half)
- Top and Bottom

HDTV Formats Supported
- 1080p (23.98Hz, 24Hz, 25Hz, 29.97Hz, 30Hz, 50Hz, 59.94Hz, 60Hz), 1080i (50Hz, 59.94Hz, 60Hz), 1080sf (23.98Hz, 24Hz), 720p (50Hz, 59.94Hz, 60Hz)

Computer Compatibility
- Up to 1920 x 1200

Bandwidth
- 170 MHz on analog RGB
- 165 Megapixels per second on HDMI and DVI
- 300 Megapixels per second on Dual Pipe DVI

Remote Control
- Addressable IR remote control, wireless and wired with loop-through.
- On-Board keypad

Automation Control
- RS232
- LAN

Colour Temperature
- User selectable from 3200 to 9000K
### Lamp Type

**2 x 465W High Intensity Discharge**

**Typical Lamp Life**

- **Full Power:** 1500 hours (up to 3000 hours in lamp sequential mode)
- **Eco Mode:** 2000 hours (up to 4000 hours in lamp sequential mode)

### Lenses

<table>
<thead>
<tr>
<th>Lens</th>
<th>Part No.</th>
<th>Focus Range</th>
<th>Lens Shift</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.67:1 fixed HB</td>
<td>105-607</td>
<td>1.1m - 10m</td>
<td>Vert: 0.176 (U) 0.176 (D) frame, Hor: 0.063 (L) 0.063 (R) frame</td>
</tr>
<tr>
<td>1.12:1 fixed HB</td>
<td>105-608</td>
<td>3m - 15m</td>
<td>Vert: 0.685 (U) 0.5 (D) frame, Hor: 0.188 (L) 0.188 (R) frame</td>
</tr>
<tr>
<td>1.12:1 (short) fixed HB</td>
<td>105-609</td>
<td>1.2m - 2m</td>
<td>Vert: 0.685 (U) 0.5 (D) frame, Hor: 0.188 (L) 0.188 (R) frame</td>
</tr>
<tr>
<td>1.16 - 1.49:1 zoom HB</td>
<td>109-236</td>
<td>3m - 15m</td>
<td>Vert: 0.508 (U) 0.5 (D) frame, Hor: 0.188 (L) 0.188 (R) frame</td>
</tr>
<tr>
<td>1.39 - 1.87:1 zoom HB</td>
<td>105-610</td>
<td>4m - 24m</td>
<td>Vert: 0.685 (U) 0.5 (D) frame, Hor: 0.188 (L) 0.188 (R) frame</td>
</tr>
<tr>
<td>1.87 - 2.56:1 zoom HB</td>
<td>105-611</td>
<td>4m - 24m</td>
<td>Vert: 0.685 (U) 0.5 (D) frame, Hor: 0.188 (L) 0.188 (R) frame</td>
</tr>
<tr>
<td>2.56 - 4.16:1 zoom HB</td>
<td>105-612</td>
<td>9.1m - 45m</td>
<td>Vert: 0.685 (U) 0.5 (D) frame, Hor: 0.188 (L) 0.188 (R) frame</td>
</tr>
<tr>
<td>4.16 - 6.96:1 zoom HB</td>
<td>105-613</td>
<td>12m - 80m</td>
<td>Vert: 0.685 (U) 0.5 (D) frame, Hor: 0.188 (L) 0.188 (R) frame</td>
</tr>
<tr>
<td>6.92 - 10.36:1 zoom HB</td>
<td>109-235</td>
<td>12m - 80m</td>
<td>Vert: 0.685 (U) 0.5 (D) frame, Hor: 0.188 (L) 0.188 (R) frame</td>
</tr>
</tbody>
</table>

### Lens Mount

Motorised and programmable shift, zoom and focus. Intelligent Lens Memory with 5 user-definable preset positions.

### Mechanical Mounting

**Orientation**

- **Table Top or Inverted:** Yes
- **Pointing Up:** TBD
- **Pointing Down:** TBD
- **Roll (Portrait):** TBD

### Power Requirements

**Power Consumption**

- 90 - 240VAC 50/60Hz single phase
- TBD W

### Thermal Dissipation

**Fan Noise**

- TBD

### Operating/Storage Temperature

**Operating Humidity**

- Operating: 0 to 40C (32 to 104F)
- Storage: -20 to 60C (-4 to 140F)
- 20% to 90% non-condensing

### Weight (Chassis Only)

**Dimensions**

- TBD kg
- TBD lb
- L: 72 cm (approx) W: 51 cm (approx) H: 23 cm (approx)
- L: 28.3 in (approx) W: 20 in (approx) H: 9.1 in (approx)

### Safety & EMC Regulations

- CE, FCC Class A & B, UL, CCC, KC

*Dimensions included for reference only and are subject to change. Please download the full set of CAD files for this display for more accurate information.*

### Downloads

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