Mercury 930 WUXGA

14,000 ANSI Lumens | Contrast Ratio: 2,000:1 | Part No:114-339

Colour System: 3-chip DLP®
Display Type: 3 x 0.96” DarkChip™ DMD™
Aspect Ratio: 16x10
Fill Factor: 87%

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.

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.
• Dual Link DVI accepts frame rates up to 160Hz with latency as low as 1 frame.
• 3D Dual Pipe and Sequential 3D formats.
• Dual Flash Processing can be used to multiply the displayed frame rate for 3D sources (example 120Hz 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 DVI accepts graphics standards up to 1920 x 1200 at 120Hz.
Dual Pipe (2 x DVI)

Inputs/Outputs

### Video & Computer

<table>
<thead>
<tr>
<th>Type</th>
<th>Connector</th>
<th>Qty</th>
<th>Communication &amp; Control</th>
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</thead>
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<tr>
<td>DVI-D / DVI-A</td>
<td>DVI-I</td>
<td>1</td>
<td>3D Sync Out</td>
</tr>
<tr>
<td>HDMI 1.3</td>
<td>HDMI</td>
<td>1</td>
<td>3D Sync In</td>
</tr>
<tr>
<td>3G-SDI</td>
<td>BNC</td>
<td>1</td>
<td>LAN</td>
</tr>
<tr>
<td>VGA / Analog RGB</td>
<td>15-pin D-Sub</td>
<td>1</td>
<td>RS232</td>
</tr>
<tr>
<td>Component Video</td>
<td>4 x BNC</td>
<td>1</td>
<td>Wired Remote In</td>
</tr>
<tr>
<td>S-Video</td>
<td>4-pin Mini DIN</td>
<td>1</td>
<td>Wired Remote Out</td>
</tr>
<tr>
<td>Composite Video</td>
<td>RCA</td>
<td>1</td>
<td>Update Port</td>
</tr>
<tr>
<td>Composite Video</td>
<td>BNC</td>
<td>1</td>
<td>Service Port</td>
</tr>
<tr>
<td>Main - Dual Link DVI-D</td>
<td>DVI-I</td>
<td>1</td>
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</tr>
<tr>
<td>Sub - HDMI</td>
<td>DVI-I</td>
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<td></td>
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<tr>
<td>Audio</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SPDIF Digital Output</td>
<td>RCA</td>
<td>1</td>
<td></td>
</tr>
</tbody>
</table>

### Communication & Control
### 3D Formats Supported
- **Dual Pipe**
- **Frame Sequential**

### 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
- 297 Megapixels per second on Dual Link DVI

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

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<th>Part No.</th>
<th>Focus Range</th>
<th>Lens Shift</th>
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</thead>
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<tr>
<td>0.67:1 fixed HB</td>
<td>105-607</td>
<td>1.1m - 10m</td>
<td>Vert: 0.108 (U) 0.108 (D) frame, Hor: 0.044 (L) 0.044 (R) frame</td>
</tr>
<tr>
<td>1.12:1 fixed HB</td>
<td>105-608</td>
<td>3m - 15m</td>
<td>Vert: 0.567 (U) 0.45 (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: 0.567 (U) 0.45 (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: 0.408 (U) 0.408 (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: 0.567 (U) 0.45 (D) frame, Hor: 0.188 (L) 0.188 (R) frame</td>
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<tr>
<td>1.87 - 2.56:1 zoom HB</td>
<td>105-611</td>
<td>4m - 24m</td>
<td>Vert: 0.567 (U) 0.45 (D) frame, Hor: 0.188 (L) 0.188 (R) frame</td>
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<tr>
<td>2.56 - 4.16:1 zoom HB</td>
<td>105-612</td>
<td>9.1m - 45m</td>
<td>Vert: 0.567 (U) 0.45 (D) frame, Hor: 0.188 (L) 0.188 (R) frame</td>
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<tr>
<td>4.16 - 6.96:1 zoom HB</td>
<td>105-613</td>
<td>12m - 80m</td>
<td>Vert: 0.567 (U) 0.45 (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: 0.567 (U) 0.45 (D) frame, Hor: 0.188 (L) 0.188 (R) frame</td>
</tr>
<tr>
<td>1.50 - 2.17:1 zoom HB</td>
<td>114-143</td>
<td>5m - 25m</td>
<td>Vert: 0.237 (U) 0.237 (D) frame, Hor: 0.104 (L) 0.104 (R) frame</td>
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<tr>
<td>1.72 - 2.71:1 zoom HB</td>
<td>114-144</td>
<td>5m - 25m</td>
<td>Vert: 0.237 (U) 0.237 (D) frame, Hor: 0.104 (L) 0.104 (R) frame</td>
</tr>
<tr>
<td>2.15 - 3.36:1 zoom HB</td>
<td>114-145</td>
<td>5m - 25m</td>
<td>Vert: 0.237 (U) 0.237 (D) frame, Hor: 0.104 (L) 0.104 (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
- Front/Rear Table
- Front/Rear Ceiling
- Adjustable Front/Rear Feet
- Rugged, staging tolerant chassis with integrated handles.
- Optional RapidRig™ frame with integrated pitch, roll and yaw adjustments.

### Orientation
- **Table Top or Inverted:** Yes
- **Pointing Up:** Yes - special software required.
- **Pointing Down:** No
- **Roll (Portrait):** No

### Power Requirements
- **110-220VAC 50/60Hz single phase**
- **3960 BTU/Hour**
- **Operating/Storage Temperature**
  - Operating: 0 to 40C (32 to 104F)
  - Storage: -10 to 50C (14 to 122F)
- **Weight (Chassis Only)**
  - 39 kg
  - 86.0 lb

### Dimensions
- L: 68.8 cm W: 58.5 cm H: 25.8 cm
- L: 27.1 in W: 23.1 in H: 10.2 in

### Safety & EMC Regulations
- CE, FCC Class A

*Dimensions included for reference only and are subject to change. Please download the full set of CAD files for this product for the most accurate information.*
### Downloads

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