Mercury Quad WUXGA

18,000 ANSI / 20,000 ISO Lumens | Contrast Ratio: 2,000:1 | Part No:117-779

**Colour System:**

<table>
<thead>
<tr>
<th>DMD Specification:</th>
<th>3-chip DLP®</th>
</tr>
</thead>
<tbody>
<tr>
<td>1920 x 1200 pixels native display.</td>
<td>3 x 0.96&quot; DarkChip™ DMD™</td>
</tr>
<tr>
<td>Fast transit pixels for smooth greyscale and improved contrast.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Display Type:</th>
<th>Aspect Ratio:</th>
<th>Fill Factor</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 x 0.96&quot; DarkChip™ DMD™</td>
<td>16x10</td>
<td>87%</td>
</tr>
</tbody>
</table>

**Key Features**

**Video & Graphics Processing**

- DisplayPort accepts frame rates up to 120 Hz.
- HDMI 1.4 for Side by Side, Frame Packing & Top Bottom 3D formats.
- Image enhancement for MPEG, Mosquito noise & color transients in composite sources.
- Dual Flash Processing can be used to multiply the displayed frame rate for 3D sources.
- Dual Pipe Processing: two sources in parallel for left and right eyes via HDMI.
- Synchronisation of active glasses or polarising switcher.
- Blend and warp processing.

**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 80m from source with low cost cabling.

**Geometry Correction**

- Cornerstone, Vertical & Horizontal Keystone, Pincushion & Barrel, Arc, and Image Rotation.
- Blanking control for custom input window sizing.
- Fit source aspect ratio to screen aspect ratio.
- Non-linear warp for curved screens via Projector Controller application.

**Edge Blending**

- Blending control of all sides with width control.
- Electronic black level compensation.
- Correction for non-active pixels at the edge of the display.

**Picture in Picture**

- Two sources can be displayed either one within the other (PIP), or side by side, with original aspect ratios.
ColorMax™

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

Projector Control

- Infra-red and wired remote.
- LAN control via protocol.
- Network control via hosted web page.
- Built-in ON/OFF timer for automatic start and switch off.
- Password Lamp Control.

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:

HDMI including Deep Color™ processing and 3D standards.
3GSDI is SMPTE 292M, SMPTE 259M-C and SMPTE 424M compliant.
Graphics standards up to 1920 x 1200 resolution at 60Hz via HDMI and 120 Hz via DisplayPort.

Inputs/Outputs

<table>
<thead>
<tr>
<th>Video &amp; Computer</th>
<th>Type</th>
<th>Connector</th>
<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>HDMI 1.4</td>
<td>HDMI</td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>DisplayPort 1.1a</td>
<td>DisplayPort</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>HDBaseT/LAN</td>
<td>RJ45</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>3G-SDI In</td>
<td>BNC</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>3G-SDI Out</td>
<td>BNC</td>
<td>1</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Communication &amp; Control</th>
<th>Type</th>
<th>Connector</th>
<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>3D Sync Out</td>
<td>BNC</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>3D Sync In</td>
<td>BNC</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>LAN (see HDBaseT)</td>
<td>RJ45</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>RS232</td>
<td>9-pin D Sub</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Wired Remote</td>
<td>3.5mm Stereo</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>12V Trigger</td>
<td>Jack</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td></td>
<td>3.5mm Stereo</td>
<td>1</td>
<td></td>
</tr>
</tbody>
</table>

NOTE: The LAN port is shared with HDBase-T.

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), 720p (50Hz, 59.94Hz, 60Hz)

Computer Compatibility

- Up to 1920 x 1200 60Hz (HDMI/HDBaseT)
- Up to 1920 x 1200 120Hz (DisplayPort)

Bandwidth

- 165 Megapixels per second on HDMI and DisplayPort
- 295 Megapixels per second on DisplayPort

Remote Control

- IR remote control, wireless and wired.
- On-Board keypad

Automation Control

- Crestron Room View® Connected
- PJ Link
- LAN
- RS232
- AMX (Device Discovery)

Colour Temperature

- User selectable from 3200 to 9000K
- 24x7 Operation
**Lamp Type**

- **4 x 465W High Intensity Discharge**
  - Full power: 2500 hours
  - Eco mode: 3000 hours

**Lenses**

<table>
<thead>
<tr>
<th>Lens</th>
<th>Part No.</th>
<th>Optimised Focus</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>Vertical: 0.108 (U) 0.108 (D) frame, Horizontal: 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>Vertical: 0.567 (U) 0.45 (D) frame, Horizontal: 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>Vertical: 0.408 (U) 0.408 (D) frame, Horizontal: 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>Vertical: 0.567 (U) 0.45 (D) frame, Horizontal: 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>Vertical: 0.567 (U) 0.45 (D) frame, Horizontal: 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>Vertical: 0.567 (U) 0.45 (D) frame, Horizontal: 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>Vertical: 0.567 (U) 0.45 (D) frame, Horizontal: 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>Vertical: 0.567 (U) 0.45 (D) frame, Horizontal: 0.188 (L) 0.188 (R) frame</td>
</tr>
</tbody>
</table>

* Lens focal ranges above are the optimised distances but are likely to focus further, please contact your RSM for more details. Lens ratio tolerances: E-Vision Series: +/-3%. HighLite Series: +/- 5%. M-Vision Series: +/- 2%. Titan Series: +/- 2%, INSIGHT Series: +/-2%.

**Lens Mount**

Motorised and programmable shift, zoom and focus. Intelligent Lens Memory.

**Mechanical Mounting**

- Front/Rear Table
- Front/Rear Ceiling
- Adjustable Front/Rear Feet

**Orientation**

- **Table Top or Inverted**: Yes
- **Pointing Up**: Yes
- **Pointing Down**: Yes
- **Roll (Portrait)**: +/-10° from horizontal

**Power Requirements**

- **110 - 240VAC 50/60Hz single phase**
- At 110V the projector runs a maximum of two lamps: 2300 W

**Thermal Dissipation**

- 7850 BTU/Hour
- 55 dBA

**Operating/Storage Temperature**

- Operating: 0 to 35°C (32 to 95°F)
- Storage: -20 to 60°C (-4 to 140°F)
- 20% to 90% non-condensing

**Weight (Chassis Only)**

- 41 kg
- 90 lb

<table>
<thead>
<tr>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>L: 69.1 cm W: 51 cm H: 31 cm (excl. handle)</td>
</tr>
<tr>
<td>L: 27.2 in W: 20.1 in H: 12.2 in (excl. handle)</td>
</tr>
</tbody>
</table>

**Safety & EMC Regulations**

- CE, FCC Class A, UL, CCC

**Accessories**

<table>
<thead>
<tr>
<th>Accessory</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lamp &amp; Housing</td>
<td>116-378</td>
</tr>
<tr>
<td>4 Lamp &amp; Housing incl. Filter Set</td>
<td>118-586</td>
</tr>
<tr>
<td>Infrared Remote (replacement)</td>
<td>117-780</td>
</tr>
<tr>
<td>Replacement Filter Set</td>
<td>116-847</td>
</tr>
<tr>
<td>Rigging Frame</td>
<td>117-705</td>
</tr>
</tbody>
</table>

*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**

- User Guides
- User Guides German
- User Guides French
- Important Information