M-Vision Laser 18K WUXGA

16,000 ANSI / 18,000 ISO Lumens | Contrast Ratio: 10,000:1 (Dynamic Black) | Part No:118-053

THE VISIONARIES CHOICE

**Colour System:**
Blue Laser Phosphor + 4-segment colour wheel

**DMD Specification:**
1920 x 1200 pixels native display, Fast transit pixels for smooth greyscale and improved contrast.

**Aspect Ratio:**
16x10

**Fill Factor**
87%

**Display Type:**
1 x 0.96” DarkChip™ DMD™

**Key Features**

**Video & Graphics Processing**
- HDMI 1.4b for Side by Side, Frame Packing, Frame Sequential & TopBottom 3D Formats.
- 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.
- Synchronisation of active glasses.
- 3G-SDI with loop-through.
- 24p and 1080p native display.

**Geometry Correction**
- Cornerstone, Vertical & Horizontal Keystone, Pincushion & Barrel, and Image Rotation.
- Blanking control for custom input window sizing.
- Scaling for fixed aspect ratio screens.

**Edge Blending**
- 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 the original aspect ratios maintained.

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

**Colour Processing**
- Powerful seven-point colour correction for accurate colour matching.

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

**Projector Automation**
- Real-time clock provides daily on/off automation.

**Installation**
- Eye bolts included for easy rigging.

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

## Inputs/Outputs

<table>
<thead>
<tr>
<th>Type</th>
<th>Connector</th>
<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>DisplayPort 1.1a</td>
<td>DisplayPort</td>
<td>2</td>
</tr>
<tr>
<td>HDMI 1.4a</td>
<td>HDMI</td>
<td>2</td>
</tr>
<tr>
<td>3G-SDI in</td>
<td>BNC</td>
<td>1</td>
</tr>
<tr>
<td>3G-SDI out</td>
<td>BNC</td>
<td>1</td>
</tr>
<tr>
<td>HDBaseT (see LAN)</td>
<td>LAN RJ45</td>
<td>1</td>
</tr>
</tbody>
</table>

**NOTE:** The HDBaseT and LAN ports are not shared.

### 3D Formats Supported

- **Frame Packing**
  - Dual Pipe
  - Frame Sequential
  - Side By Side (half)
  - Top and Bottom

### HDTV Formats Supported

- 1080p (24Hz, 25Hz, 30Hz, 50Hz, 60Hz)
- 1080i (50Hz, 60Hz)
- 720p (50Hz, 60Hz)

### Computer Compatibility

- Up to 1920 x 1200

### Remote Control

- Addressable IR Remote Control, wireless and wired
- On-Board keypad
- Crestron RoomView® Connected
- PJLink Class 1
- LAN
- RS232
- AMX (Device Discovery)

### Colour Temperature

- 3200K to 9300K

### Lamp Type

- Laser Light Source
- Typical Lamp Life: 20,000 hours

### Lenses

<table>
<thead>
<tr>
<th>Lens</th>
<th>Part No.</th>
<th>Focus Range</th>
<th>Lens Shift</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.9 - 1.21 : 1 zoom</td>
<td>120-624</td>
<td>0.93m - 13.46m</td>
<td>Vert: 0.45 (U) 0.45 (D) frame, Hor: 0.15 (L) 0.15 (R) frame</td>
</tr>
<tr>
<td>1.20 - 1.56 : 1 zoom</td>
<td>117-573</td>
<td>1m - 8m</td>
<td>Vert: 0.5 (U) 0.5 (D) frame, Hor: 0.15 (L) 0.15 (R) frame</td>
</tr>
<tr>
<td>1.50 - 2.00 : 1 zoom</td>
<td>118-578</td>
<td>2m - 12m</td>
<td>Vert: 0.5 (U) 0.3 (D) frame, Hor: 0.15 (L) 0.15 (R) frame</td>
</tr>
<tr>
<td>2.00 - 4.00 : 1 zoom</td>
<td>118-586</td>
<td>2.5m - 42m</td>
<td>Vert: 0.5 (U) 0.3 (D) frame, Hor: 0.15 (L) 0.15 (R) frame</td>
</tr>
<tr>
<td>4.00 - 7.00 : 1 zoom</td>
<td>117-463</td>
<td>4m - 42m</td>
<td>Vert: 0.5 (U) 0.3 (D) frame, Hor: 0.15 (L) 0.15 (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.

### 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): Yes

### Power Requirements

- 100 - 240VAC 50/60Hz single phase * Note that in 120V operation, the projector will be at 65% brightness

### Power Consumption

- Typical 2000W @ 240VAC in Normal mode
- Typical 1200W @ 240VAC in ECO mode
- Typical 1200W @ 110VAC in Normal mode
- Typical 1000W @ 110VAC in ECO mode
<table>
<thead>
<tr>
<th><strong>Thermal Dissipation</strong></th>
<th><strong>Fan Noise</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Typical 6482 BTU/Hour @ 220VAC in Normal mode</td>
<td>Normal mode: 45 dBA max, 42 dBA typical</td>
</tr>
<tr>
<td>Typical 3753 BTU/Hour @ 110VAC in Normal mode</td>
<td>Eco mode: 42 dBA max, 39dBA typical</td>
</tr>
<tr>
<td>BTU/Hour</td>
<td></td>
</tr>
<tr>
<td><strong>Operating/Storage Temperature</strong></td>
<td><strong>Operating Humidity</strong></td>
</tr>
<tr>
<td>Operating: 0 to 40C (32 to 104F)</td>
<td>10% to 90% relative, non-condensing</td>
</tr>
<tr>
<td>Storage: -20 to 60C (-4 to 140F)</td>
<td></td>
</tr>
<tr>
<td><strong>Weight (Chassis Only)</strong></td>
<td><strong>Dimensions</strong></td>
</tr>
<tr>
<td>49 kg</td>
<td>H: 24.8 cm W: 53.0 cm L: 69.5 cm</td>
</tr>
<tr>
<td>108 lb</td>
<td>H: 9.8 in W: 20.9 in L: 27.4 in</td>
</tr>
<tr>
<td><strong>Safety &amp; EMC Regulations</strong></td>
<td></td>
</tr>
<tr>
<td>UL/cUL, CB, CCC, FCC Class A , CE, RoHS 2</td>
<td></td>
</tr>
<tr>
<td>IEC EN 60825-1:2014 Class 1 Laser Product</td>
<td></td>
</tr>
<tr>
<td>IEC 60825-1:2007 Class 3R Laser Product</td>
<td></td>
</tr>
<tr>
<td>IEC EN 62471-5:2015 Risk Group 3</td>
<td></td>
</tr>
<tr>
<td><em>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.</em></td>
<td></td>
</tr>
</tbody>
</table>

**Downloads**

- PDF CAD Drawings
- User Guides
- AUTOCAD Drawings
- Important Information

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