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, +/- 12° tilt angle
Fast transit pixels for smooth greyscale and improved contrast.

Display Type: 1 x 0.96" DarkChip™ DMD™
Aspect Ratio: 16x10
Fill Factor 87%

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

• Integrated stacking mount pins.
• 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

### Video & Computer

<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>

### Communication & Control

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

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

### Computer Compatibility

- Up to 1920 x 1200

### Bandwidth

- 165 MHz on analog RGB
- 165 Megapixels per second on HDMI

### Remote Control

- Addressable IR Remote Control, wireless and wired
- On-Board keypad

### Automation Control

- Crestron RoomView® Connected
- PJLink Class 1
- LAN
- RS232
- AMX (Device Discovery)
- Served web page

### 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>Optimised Focus Range</th>
<th>Lens Shift</th>
</tr>
</thead>
</table>

---

---
**Lens Mount**
Motorised and programmable shift, zoom and focus.

**Mechanical Mounting**

<table>
<thead>
<tr>
<th>Orientation</th>
<th>Table Top or Inverted: Yes</th>
<th>Pointing Up: Yes</th>
<th>Pointing Down: Yes</th>
<th>Roll (Portrait): Yes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Front/Rear Table</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Front/Rear Ceiling</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Adjustable Front/Rear Feet</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Power Requirements**

<table>
<thead>
<tr>
<th>Power Consumption</th>
<th>Typical 2000W @ 240VAC in Normal mode</th>
</tr>
</thead>
<tbody>
<tr>
<td>100 - 240VAC 50/60Hz single phase * Note that in 120V operation, the projector will be at 65% brightness</td>
<td></td>
</tr>
<tr>
<td>Typical 1200W @ 240VAC in ECO mode</td>
<td></td>
</tr>
<tr>
<td>Typical 1200W @ 110VAC in Normal mode</td>
<td></td>
</tr>
<tr>
<td>Typical 1000W @ 110VAC in ECO mode</td>
<td></td>
</tr>
</tbody>
</table>

**Thermal Dissipation**

<table>
<thead>
<tr>
<th>Fan Noise</th>
<th>Normal mode: 45 dBA max, 42 dBA typical</th>
</tr>
</thead>
<tbody>
<tr>
<td>BTU/Hour</td>
<td>Eco mode: 42 dBA max, 39dBA typical</td>
</tr>
</tbody>
</table>

**Operating/Storage Temperature**

<table>
<thead>
<tr>
<th>Operating Humidity</th>
<th>10% to 90% relative, non-condensing</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating: 0 to 40C (32 to 104F)</td>
<td></td>
</tr>
<tr>
<td>Storage: -20 to 60C (-4 to 140F)</td>
<td></td>
</tr>
</tbody>
</table>

**Weight (Chassis Only)**

<table>
<thead>
<tr>
<th>Dimensions</th>
<th>H: 24.8 cm W: 53.0 cm L: 69.5 cm</th>
</tr>
</thead>
<tbody>
<tr>
<td>49 kg</td>
<td>H: 9.8 in W: 20.9 in L: 27.4 in</td>
</tr>
<tr>
<td>108 lb</td>
<td></td>
</tr>
</tbody>
</table>

**Safety & EMC Regulations**

- UL/cUL, CB, CCC, FCC Class A, CE, RoHS 2
- IEC EN 60825-1:2014 Class 1 Laser Product
- IEC 60825-1:2007 Class 3R Laser Product
- IEC EN 62471-5:2015 Risk Group 3

**Accessories**

<table>
<thead>
<tr>
<th>Accessory</th>
<th>Part No.</th>
<th>117-780</th>
</tr>
</thead>
<tbody>
<tr>
<td>Infrared Remote (replacement)</td>
<td></td>
<td></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**

- **PDF CAD Drawings**
- **AUTOCAD Drawings**
- **User Guides**
- **User Guides German**
- **User Guides French**
- **Important Information**