M-Vision Laser 21000 WU

21,000 ISO / 18,600 ANSI Lumens | Contrast Ratio: 10,000:1 (Dynamic Black) | Part No:119-673

M-VISION LASER 21000 WU
DIGITAL PROJECTOR

THE VISIONARIES CHOICE

<table>
<thead>
<tr>
<th>Colour System:</th>
<th>DMD Specification:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Blue + Red Laser and 4-segment colour wheel</td>
<td>1920 x 1200 pixels native display, Fast transit pixels for smooth greyscale and improved contrast.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Display Type:</th>
<th>Aspect Ratio:</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 x 0.96&quot; DarkChip™ DMD™</td>
<td>16x10</td>
</tr>
<tr>
<td>Fill Factor</td>
<td>87%</td>
</tr>
</tbody>
</table>

Key Features

Red Laser Assist

- Uses blue and red laser diodes for increased colour fidelity and highly accurate colours

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**

<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 1.4b</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</td>
<td>LAN RJ45</td>
<td>1</td>
</tr>
</tbody>
</table>

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<tr>
<th>Type</th>
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</thead>
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<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>3.5mm Stereo</td>
<td>Jack</td>
<td></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

**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**: 20,000 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>0.9 - 1.21 : 1 zoom</td>
<td>120-624</td>
<td>0.92m - 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>120-625</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>120-626</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>120-627</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>120-628</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

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

### Power Requirements

#### Power Consumption
- Typical 1900W @ 240VAC in Normal mode
- Typical 1250W @ 110VAC in Normal mode

### Thermal Dissipation

- Typical 6482 BTU/Hour @ 220VAC in Normal mode
- Typical 4265 BTU/Hour @ 110VAC in Normal mode
- Normal mode: 49.6 dBA max, 42 dBA typical
- Eco mode: 47.6 dBA max, 39dBA typical

### Operating/Storage Temperature

- Operating: 0 to 35C (32 to 95F)
- Operating: >35 (95F) Projector automatically set to eco mode
- Storage: -20 to 60C (-4 to 140F)

### Weight (Chassis Only)

- 52 kg
- 115 lb

### Safety & EMC Regulations

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

### Accessories

- **Accessory**
  - Infrared Remote (replacement) 117-780

*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