M-Vision Cine 320 3D

4,000 Lumens | Contrast Ratio: 2,000:1 | Part No: 114-501

Colour System:
6 Segment RGBYCW Colour Wheel

DMD Specification:
1920 x 1080 pixels native. Fast transit pixels for smooth greyscale and improved contrast.

Aspect Ratio:
16x9

Display Type:
1 x 0.95" DarkChip™ DMD™

Fill Factor
87%

Key Features

Video & Graphics Processing
- HDMI 1.4 for Side by Side, Frame Packing & Top Bottom Formats.
- Dual Flash Processing can be used to multiply the displayed frame rate for 3D sources (example 144Hz display).
- Dual Pipe Processing: Two sources in parallel for Left and Right Eyes.
- Synchronisation of active glasses, DLP® Link™ glasses or polarising switcher.
- High Bandwidth Digital & Analogue Receiver with 10 Bit A-D.
- 24p and 1080p native display.
- BrilliantColor™ for increased system brightness.
- Adaptive Contrast with frame-by-frame content analysis.
- The projector automatically detects interlaced video and implements 3:2 or 2:2 extraction as appropriate, with pixel based, motion adaptive interpolation and auto cadence correction.
- Image enhancement for MPEG, Mosquito noise & Colour Transients in composite sources.

Source Compatibility:
HDMI including Deep Color™ processing and 3D standards.
Graphics standards up to 1920 x 1200 resolution at 60Hz via HDMI or VGA.
Component Video (SD and HD) via YPrPb and RGB.

Inputs/Outputs

<table>
<thead>
<tr>
<th>Video &amp; Computer</th>
<th>Type</th>
<th>Connector</th>
<th>Qty</th>
<th>Communication &amp; Control</th>
<th>Type</th>
<th>Connector</th>
<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
<td>HDMI 1.4</td>
<td>HDMI</td>
<td>2</td>
<td>3D Sync Out</td>
<td>VESA 3-pin</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td></td>
<td>VGA / Analog RGB</td>
<td>15-pin D-Sub</td>
<td>1</td>
<td>LAN</td>
<td>RJ45</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Component Video</td>
<td>3 x RCA</td>
<td>1</td>
<td>RS232</td>
<td>9-pin D Sub</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Component Video</td>
<td>3 x BNC</td>
<td>1</td>
<td>IR Input</td>
<td>3.5mm Stereo Jack</td>
<td>1</td>
<td></td>
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<tr>
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<td></td>
<td></td>
<td>12V Trigger</td>
<td>3.5mm Stereo Jack</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Service Port</td>
<td>USB Type A</td>
<td>1</td>
<td></td>
</tr>
</tbody>
</table>
### 3D Formats Supported
- Frame Packing
- Dual Pipe
- Side By Side (half)
- Top and Bottom

### HDTV Formats Supported
- 1080p (24Hz, 25Hz, 30Hz, 50Hz, 60Hz)
- 1080i (50Hz, 60Hz)
- 720p (50, 60Hz)

### Computer Compatibility
- Bandwidth
  - Up to 1920 x 1200
  - 200 MHz on analog RGB
  - 165 Megapixels per second on HDMI

### Remote Control
- Automation Control
  - IR Remote Control
  - On-Board keypad
  - RS232
  - LAN

### Colour Temperature
- User selectable from 5500 to 9300K

### Lamp Type
- 1 x 320W High Intensity Discharge

### Typical Lamp Life
- Full Power: 2000 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>0.73 fixed</td>
<td>110-156</td>
<td>0.97m - 1.3m</td>
<td>none</td>
</tr>
<tr>
<td>0.84 - 1.03 : 1 zoom</td>
<td>112-762</td>
<td>1.5m - 4m</td>
<td>Vert: 0.45 (U) 0.45 (D) frame, Hor: 0.12 (L) 0.12 (R) frame</td>
</tr>
<tr>
<td>1.56 - 1.86 : 1 zoom</td>
<td>110-157</td>
<td>2m - 7m</td>
<td>Vert: 0.6 (U) 0.6 (D) frame, Hor: 0.15 (L) 0.15 (R) frame</td>
</tr>
<tr>
<td>1.85 - 2.40 : 1 zoom</td>
<td>110-158</td>
<td>2.5m - 10m</td>
<td>Vert: 0.6 (U) 0.6 (D) frame, Hor: 0.15 (L) 0.15 (R) frame</td>
</tr>
<tr>
<td>2.4 - 4.0 : 1 zoom</td>
<td>112-319</td>
<td>4m - 12m</td>
<td>Vert: 0.6 (U) 0.6 (D) frame, Hor: 0.15 (L) 0.15 (R) frame</td>
</tr>
</tbody>
</table>

### Lens Mount
- Manual shift, zoom & focus.

### Mechanical Mounting
- Orientation
  - Table Top or Inverted: Yes
  - Pointing Up: +/-12° from horizontal
  - Pointing Down: +/-12° from horizontal
  - Roll (Portrait): Yes - only with exhaust pointing upwards

### Power Requirements
- 100-240VAC 50/60Hz single phase
- 425W

### Thermal Dissipation
- Fan Noise
  - 38 dBA

### Operating/Storage Temperature
- Operating: 10 to 40C (50 to 95F)
- Storage: -20 to 60C (-4 to 140F)
- 20% to 85% non condensing

### Weight (Chassis Only)
- 13 kg
- 28.7 lb
- L: 44cm W: 50.8cm H: 18.2cm
- L: 17.3 in W: 20 in H: 7.2 in

### Safety & EMC Regulations
- CE, FCC Class B, cTUVus, CCC

*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
- User Guides
- AUTOCAD Drawings
- Important Information