HIGHlite Laser II 3D

13,000 Lumens | Contrast Ratio: 2,000:1 (10,000:1 Dynamic) | Part No:116-330

**HIGHLITE LASER II 3D DIGITAL PROJECTOR**

**THE VISIONARIES CHOICE**

**Colour System:**
3-chip DLP®

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

**Display Type:**
3 x 0.67” DarkChip™ DMD™

**Aspect Ratio:**
16x10

**Fill Factor**
87%

**Key Features**

**Video & Graphics Processing**
- HDMI 1.4 for Side by Side, Frame Packing & Top Bottom for 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.
- High bandwidth digital inputs.
- 3GSDI with loop-through.
- 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.
- 24p and 1080p native display.

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

**Edge Blending**
- Correction for non-active pixels at the edge of the display.
- Electronic black level compensation.

**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.

**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.

**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.
DisplayPort accepts graphics standards up to 1920 x 1200 at 120Hz.
3GSDI is SMPTE 292M, SMPTE 259M-C and SMPTE 424M compliant.
Graphics standards up to 1920 x 1200 resolution via DisplayPort, HDMI or VGA.
Component Video (SD and HD) via YPrPb or RGB.

### Inputs/Outputs

#### Video & Computer

<table>
<thead>
<tr>
<th>Type</th>
<th>Connector</th>
<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>HDMI 1.4</td>
<td>HDMI</td>
<td>2</td>
</tr>
<tr>
<td>DisplayPort 1.1a</td>
<td>DisplayPort</td>
<td>1</td>
</tr>
<tr>
<td>HDBaseT/LAN</td>
<td>RJ45</td>
<td>1</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>VGA</td>
<td>15-pin D-Sub</td>
<td>1</td>
</tr>
<tr>
<td>Component Video</td>
<td>3 x BNC</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 (see HDBaseT)</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>Service Port</td>
<td>3.5mm Stereo</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>Jack</td>
<td>1</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

#### Remote Control

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

#### Colour Temperature

- User selectable from 3200 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>0.77 : 1 fixed HB</td>
<td>110-808</td>
<td>1.3m - 15.0m</td>
<td>Vert: 0.2 (U) 0.2 (D) frame, Hor: 0.05 (L) 0.05 (R) frame</td>
</tr>
<tr>
<td>1.16 : 1 fixed HB</td>
<td>110-809</td>
<td>1.4m - 25.0m</td>
<td>Vert: 0.5 (U) 0.5 (D) frame, Hor: 0.15 (L) 0.15 (R) frame</td>
</tr>
<tr>
<td>1.45 - 1.74 : 1 zoom HB</td>
<td>110-803</td>
<td>1.8m - 9.3m</td>
<td>Vert: 0.6 (U) 0.6 (D) frame, Hor: 0.15 (L) 0.15 (R) frame</td>
</tr>
<tr>
<td>1.74 - 2.17 : 1 zoom HB</td>
<td>112-878</td>
<td>2.2m - 11.8m</td>
<td>Vert: 0.6 (U) 0.6 (D) frame, Hor: 0.15 (L) 0.15 (R) frame</td>
</tr>
<tr>
<td>2.17 - 2.90 : 1 zoom HB</td>
<td>113-852</td>
<td>2.7m - 15.4m</td>
<td>Vert: 0.6 (U) 0.6 (D) frame, Hor: 0.15 (L) 0.15 (R) frame</td>
</tr>
<tr>
<td>2.90 - 4.34 : 1 zoom HB</td>
<td>110-806</td>
<td>3.6m - 22.5m</td>
<td>Vert: 0.6 (U) 0.6 (D) frame, Hor: 0.15 (L) 0.15 (R) frame</td>
</tr>
<tr>
<td>4.34 - 6.76 : 1 zoom HB</td>
<td>110-807</td>
<td>5.5m - 35m</td>
<td>Vert: 0.6 (U) 0.6 (D) frame, Hor: 0.15 (L) 0.15 (R) frame</td>
</tr>
</tbody>
</table>

#### Lens Mount

- Motorised shift, zoom and focus.

#### Mechanical Mounting

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

#### Power Requirements

- 110 - 240VAC 50/60Hz single phase
- At 110V the light output is up to 70% of full power.
- Power Consumption: 1700W

#### Thermal Dissipation

- 5800 BTU/Hour
- Fan Noise: 52 dBA
<table>
<thead>
<tr>
<th>Operating/Storage Temperature</th>
<th>Operating Humidity</th>
</tr>
</thead>
</table>
| Operating: 0 to 35C (32 to 95F)  
Storage: -20 to 60C (-4 to 140F) | 20% to 90% non-condensing |

<table>
<thead>
<tr>
<th>Weight (Chassis Only)</th>
<th>Dimensions</th>
</tr>
</thead>
</table>
| 55 kg  
121.3 lb | H: 26.5 cm  
W: 58.5 cm  
L: 71.0 cm (92.7 cm w/lens hood)  
H: 10.4 in  
W: 23.0 in  
L: 28.0 in (36.5 in w/lens hood) |

**Safety & EMC Regulations**

CE, FCC Class A, UL, CCC, KC, BIS

*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
- Important Information

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