E-Vision Laser 11000 4K-UHD

9,500 ANSI / 10,500 ISO Lumens | Contrast Ratio: 6,000:1 (Dynamic Black) 1,000:1 native | Part No:119-735

**Colour System:** Laser Phosphor with enhanced colourwheel

**DMD Specification:** Display resolutions 4K-UHD (3840 x 2160) or WQXGA+ (2716 x 1528)

**Display Type:** 1 x 0.67” WQXGA+ TRP UHD DMD™

**Display resolutions** 4K-UHD (3840 x 2160) or WQXGA+ (2716 x 1528)

**8.3 megapixels on screen at 4K-UHD**

- Fast transit pixels for smooth greyscale and improved contrast.
- **Aspect Ratio:** 16:9
- **Fill Factor** Not applicable: Smooth Picture DMD™

**Key Features**

**Video & Graphics Processing**
- HDR processing
- Two projectors in one - 4K-UHD and WQXGA+
- DisplayPort 1.2 with HDCP 2.2
- 2 x HDMI 2.0 with HDCP 2.2
- 2 x HDMI 1.4b inputs with HDCP 1.4 for Dual Pipe processing and Frame Sequential 3D Format.
- Sequential Processing: 3D via single HDMI 1.4b input
- Dual Pipe Processing: 3D Left and Right Eyes via two HDMI 1.4b inputs
- Synchronisation of active glasses
- 3G-SDI with loop-through
- DICOM simulation mode

**Geometry Correction**
- Onboard 4-Cornerstone, Vertical & Horizontal Keystone, Pincushion & Barrel, Arc, and Image Rotation
- User definable custom warp
- Digital zoom, pan and scan.
- Independent four boundary blanking control for custom input window sizing
- Scaling available for fixed aspect ratio screens.
- Unscaled processing for pixel mapped display.

**Edge Blending**
- Blending control available for all sides with width control.
- Correction for non-active pixels at the edge of the display.

**Picture in Picture**
- Two sources can be displayed simultaneously using 2D inputs with the original aspect ratios maintained

**HDBaseT® Interface**
- Built in support for reception of uncompressed High Definition Video over standard CAT5e/6 LAN cable
- Allows projector to be placed up to 100m from source with low cost cabling
- Supports up to 4K UHD 3840 x 2160@60Hz 4:2:0 or 4K UHD 3840 x 2160@30Hz 4:4:4

**Colour Processing**
- Four colour modes available: ColorMax / Manual Color Matching / Color Temperature / Gains and Lifts
- Powerful seven point colour correction for accurate colour matching with presets
- Easy colour temperature selection
- Manual seven point colour adjustment
- Traditional lifts and gains

**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
- E-mail alerts for system status

**Source Compatibility:**
2D graphics standards up to 4K-UHD 3840 x 2160 resolution at 60Hz via HDMI 2.0, HDBaseT (4:2:0) and DisplayPort inputs.
3D graphics standards up to WQXGA at 120Hz DualPipe via HDMI 1.4b inputs.
3G-SDI is SMPTE 292M, SMPTE 259M-C and SMPTE 424M compliant.

**WQXGA+ mode**
2D sources up to WQXGA+ at 120Hz can be displayed scaled to fit WQXGA+.
3D sources up to WQXGA at 120Hz can be displayed scaled to fit WQXGA+.

**4K-UHD mode**
2D sources up to 4K-UHD will be displayed scaled to fit 4K-UHD.

**Auto mode**
Sources greater than WQXGA+ will be displayed scaled to fit 4K-UHD.
Sources up to WQXGA+ will be displayed scaled to fit WQXGA+.

**Inputs/Outputs**

<table>
<thead>
<tr>
<th>Video &amp; Computer</th>
<th>Type</th>
<th>Connector</th>
<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>DisplayPort 1.2 (2D)</td>
<td>DisplayPort</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>HDMI 1.4b (3D)</td>
<td>HDMI</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>HDMI 2.0 (2D)</td>
<td>HDMI</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>3G-SDI in (2D)</td>
<td>BNC</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>3G-SDI out</td>
<td>BNC</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>HDBaseT (see LAN) (2D)</td>
<td>RJ45</td>
<td>1</td>
<td></td>
</tr>
</tbody>
</table>

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

**NOTE:** One of the LAN ports is shared with HDBase-T.

**3D Formats Supported**
Frame Sequential
Dual-Pipe

**HDTV Formats Supported**
1080p (24Hz, 25Hz, 30Hz, 50Hz, 60Hz, 100Hz, 120Hz)
1080i (50Hz, 60Hz)
720p (50, 60Hz)
2K (24Hz, 25Hz, 30Hz, 50Hz, 60Hz)
4K-UHD (24Hz, 25Hz, 30Hz, 50Hz, 60Hz)

**Computer Compatibility**

**2D**
4K-UHD up to 60Hz.
WQXGA+ up to 120Hz.

**3D**
Supported formats will be displayed within WQXGA+.

**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 pages (projector status, projector control, Crestron RoomView®, network settings, alert mail setup, time setup, error log, On Screen Display)

**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>Focus Range</th>
<th>Lens Shift</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.38 :1 fixed</td>
<td>117-341</td>
<td>0.68m - 2.44m</td>
<td>none</td>
</tr>
<tr>
<td>0.76 :1 fixed</td>
<td>112-499</td>
<td>0.81m - 5.08m</td>
<td>none</td>
</tr>
<tr>
<td>0.74 - 0.93 :1 zoom</td>
<td>115-339</td>
<td>1.02m - 12.7m</td>
<td>Vert: 0.5 (U) 0.3 (D) frame, Hor: 0.1(L) 0.2 (R) frame</td>
</tr>
<tr>
<td>1.24 - 1.78 :1 zoom</td>
<td>112-500</td>
<td>1.33m - 11.73m</td>
<td>Vert: 0.5 (U) 0.3 (D) frame, Hor: 0.1(L) 0.2 (R) frame</td>
</tr>
<tr>
<td>1.71 - 2.25 :1 zoom</td>
<td>112-501</td>
<td>1.83m - 14.9m</td>
<td>Vert: 0.5 (U) 0.3 (D) frame, Hor: 0.1(L) 0.2 (R) frame</td>
</tr>
<tr>
<td>2.20 - 3.67 :1 zoom</td>
<td>112-502</td>
<td>2.36m - 24.2m</td>
<td>Vert: 0.5 (U) 0.3 (D) frame, Hor: 0.1(L) 0.2 (R) frame</td>
</tr>
<tr>
<td>3.54 - 5.36 :1 zoom</td>
<td>112-503</td>
<td>3.8m - 35.35m</td>
<td>Vert: 0.5 (U) 0.3 (D) frame, Hor: 0.1(L) 0.2 (R) frame</td>
</tr>
<tr>
<td>5.24 - 8.27 :1 zoom</td>
<td>112-504</td>
<td>5.59m - 54.8m</td>
<td>Vert: 0.5 (U) 0.3 (D) frame, Hor: 0.1(L) 0.2 (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. Intelligent Lens Memory with 10 user-definable preset positions (except UST lens).

**Mechanical Mounting**

<table>
<thead>
<tr>
<th>Orientation</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Table Top or Inverted:</strong> Yes</td>
</tr>
<tr>
<td><strong>Pointing Up:</strong> Yes</td>
</tr>
<tr>
<td><strong>Pointing Down:</strong> Yes</td>
</tr>
<tr>
<td><strong>Roll (Portrait):</strong> Yes</td>
</tr>
</tbody>
</table>

**Power Requirements**

100-130VAC and 200-240VAC selectable, 50/60Hz single phase

100V_60HZ Typical: 1344W, Maximum TBDW
240V_50HZ Typical: 1290W, Maximum TBDWW

**Thermal Dissipation**

Typical 4590 BTU/Hour @ 100VAC
Typical 4406 BTU/Hour @ 240VAC BTU/Hour

**Fan Noise**

Smooth Picture On:
Normal mode: typical 43 (max 45) dBA
Eco mode: typical 39 (max 41) dBA

Smooth Picture Off:
Normal mode: typical 42 (max 44) dBA
Eco mode: typical 38 (max 40) dBA

**Operating/Storage Temperature**

Operating: 5 to 40C (41 to 104F)
Storage: -10 to 60C (14 to 140F)

**Operating Humidity**

10 to 85% non-condensing (with maximum temperature of 40C)

**Weight (Chassis Only)**

31 kg
63.34 lb

**Dimensions**

L: 59.83 cm x W: 50 cm x H: 21.85 cm
L: 23.55 in x W: 19.68 in x H: 8.60 in

**Safety & EMC Regulations**

UL/cUL, BIS, CB, CCC, CCC Eco label, CECP, KC, KTL, IC, BSMI, RoHS (China), RoHS (EU), FCC Class A, FDA, CE, IEC 60825-1 Class 3R Laser Product, IEC EN 62471-5 Risk Group 2, WEEE (EU)

*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

Specifications subject to change without notice. Digital Projection version: ©2016 Digital Projection. DLP®, Digital Light Processing™ and DMD are trademarks of Texas Instruments, Inc.