E-Vision Laser 4K-UHD Black

7,000 ANSI / 7,500 ISO Lumens | Contrast Ratio: 10,000:1 (Dynamic Black) 1,000:1 native | Part No:120-608

**E-VISION LASER 4K**
**DIGITAL PROJECTOR**

**THE VISIONARIES CHOICE**

<table>
<thead>
<tr>
<th>Colour System:</th>
<th>DMD Specification:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Laser Phosphor with colourwheel</td>
<td>Display resolutions 4K-UHD (3840 x 2160) or WQXGA+ (2716 x 1528)</td>
</tr>
<tr>
<td><strong>Display Type:</strong></td>
<td>8.3 megapixels on screen at 4K-UHD</td>
</tr>
<tr>
<td>1 x 0.67” WQXGA+ TRP UHD DMD™</td>
<td>Fast transit pixels for smooth greyscale and improved contrast.</td>
</tr>
<tr>
<td></td>
<td><strong>Aspect Ratio:</strong></td>
</tr>
<tr>
<td></td>
<td>16:9</td>
</tr>
<tr>
<td></td>
<td><strong>Fill Factor</strong></td>
</tr>
<tr>
<td></td>
<td>Not applicable: Smooth Picture DMD™</td>
</tr>
</tbody>
</table>

**Key Features**

**Video & Graphics Processing**
- HDR processing
- Two projectors in one - 4K-UHD and WQXGA+.
- DisplayPort 1.2.
- 2 x HDMI 2.0.
- 2 x HDMI 1.4b 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**
- Cornerstone, Vertical & Horizontal Keystone, Pincushion & Barrel, Arc and Image Rotation.
- Non-linear warp.
- Digital zoom, pan and scan.
- 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: either picture in picture (PIP), or side by side (PBP), with 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.
- 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.
3GSDI 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>Type</th>
<th>Connector</th>
<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>DisplayPort 1.2 (2D)</td>
<td>DisplayPort</td>
<td>1</td>
</tr>
<tr>
<td>HDMI 1.4b (3D)</td>
<td>HDMI</td>
<td>2</td>
</tr>
<tr>
<td>HDMI 2.0 (2D)</td>
<td>HDMI</td>
<td>2</td>
</tr>
<tr>
<td>3G-SDI in (2D)</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) (2D)</td>
<td>RJ45</td>
<td>1</td>
</tr>
</tbody>
</table>

<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>2</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>3D Sync IR Out</td>
<td>3.5mm Stereo</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>Jack</td>
<td>2</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

Bandwidth
498 megapixels per second via DisplayPort and HDMI 2.0.

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

**Typical Lamp Life**
20,000 hours

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**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%.

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

Intelligent Lens Memory with 10 user-definable preset positions (except UST lens).

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**Mechanical Mounting**

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

**Power Requirements**

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

950 W @220 Vac (1000 W @110 Vac)W

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**Thermal Dissipation**

Max 3139 BTU/hour @100 VAC
Max 3002 BTU/hour @240 VAC BTU/Hour

**Fan Noise**

Smooth Picture On |
Normal mode: typical 40 (max 42) dBA
Eco2 mode: typical 37 (max 39) dBA

Smooth Picture Off |
Normal mode: typical 38 (max 40) dBA
Eco2 mode: typical 34 (max 36) dBA

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**Operating/Storage Temperature**

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

**Operating Humidity**

10 to 85% non-condensing

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**Weight (Chassis Only)**

28.15 kg
62 lb

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

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**Safety & EMC Regulations**

CE, FCC Class A, CCC, UL/cUL, FDA CB, KC, CEL, CECP

*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.

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**Downloads**

PDF CAD Drawings
AUTOCAD Drawings
User Guides
Important Information

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