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# E-VISION LASER 8500 DIGITAL PROJECTOR



THE VISIONARIES CHOICE

## E-Vision Laser 8500 WUXGA Black

**8,500 Lumens | Contrast Ratio: 10,000:1 (Dynamic Black)1,800:1 native | Part Number: 119-024**

### Key Specifications:

<b>Colour System:</b>	Laser Phosphor
<b>Display Type:</b>	1 x 0.67" DarkChip™ DMD™
<b>DMD Specification:</b>	1920 x 1200 pixels native display. Fast transit pixels for smooth greyscale and improved contrast.
<b>Aspect Ratio:</b>	16x10
<b>Fill Factor</b>	87%
<b>Key Features:</b>	<p><b>Video &amp; Graphics Processing</b></p> <ul style="list-style-type: none"><li>• HDMI 1.4 for Side by Side, Frame Packing &amp; Top Bottom 3D Formats.</li><li>• Dual Flash Processing can be used to multiply the displayed frame rate for 3D sources</li><li>• Dual Pipe Processing: Two sources in parallel for Left and Right Eyes.</li><li>• Synchronisation of active glasses.</li><li>• 3GSDI with loop-through.</li><li>• 24p and 1080p native display.</li><li>• DICOM Simulation Mode.</li></ul> <p><b>Geometry Correction</b></p> <ul style="list-style-type: none"><li>• Cornerstone, Vertical &amp; Horizontal Keystone, Pincushion &amp; Barrel, and Image Rotation.</li><li>• Blanking control for custom input window sizing.</li><li>• Scaling for fixed aspect ratio screens.</li></ul> <p><b>Edge Blending</b></p>

- 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 original aspect ratios maintained.

**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 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.

**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, DisplayPort or VGA.  
Component Video (SD and HD) via RGBHV.

**Inputs/Outputs**

Video & Computer			Communication & Control		
Type	Connector	Qty	Type	Connector	Qty
DisplayPort 1.1a	DisplayPort	1	3D Sync Out	BNC	1
HDMI 1.4	HDMI	2	3D Sync In	BNC	1
3G-SDI in	BNC	1	LAN	RJ45	1
3G-SDI out	BNC	1	RS232	9-pin D Sub	1
VGA / Analog RGB	15-pin D-Sub	1	Wired Remote	3.5mm Stereo Jack	1
Component Video	5 x BNC	1	12V Trigger	3.5mm Stereo Jack	2
HDBaseT	LAN	1	Service Port	USB Type A	1
DVI-D with HDCP	DVI	1			

**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 (50, 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  
LAN

	RS232 AMX (Device Discovery)																																				
<b>Colour Temperature</b>	User selectable from 5000 to 9300K																																				
<b>Operation</b>																																					
<b>illumination Type</b>	Laser Light Source																																				
<b>Typical illumination Life</b>	20,000 hours																																				
<b>Lenses</b>	<table border="1"> <thead> <tr> <th>Lens</th> <th>Part No.</th> <th>Lens Shift (Frame)</th> <th>Optimised Focus Range*</th> </tr> </thead> <tbody> <tr> <td>0.38 :1 fixed</td> <td>117-341</td> <td>0.68m - 2.44m</td> <td>Depends on image size, see Installation Guide.</td> </tr> <tr> <td>0.75 - 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>0.76 :1 fixed</td> <td>112-499</td> <td>0.81m - 5.08m</td> <td>none</td> </tr> <tr> <td>1.25 - 1.79 :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>1.73 - 2.27 :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>2.22 - 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>3.58 - 5.38 :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>5.31 - 8.26 :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> <p>* 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%,</p>	Lens	Part No.	Lens Shift (Frame)	Optimised Focus Range*	0.38 :1 fixed	117-341	0.68m - 2.44m	Depends on image size, see Installation Guide.	0.75 - 0.93 :1 zoom	115-339	1.02m - 12.7m	Vert: 0.5 (U) 0.3 (D) frame, Hor: 0.1(L) 0.2 (R) frame	0.76 :1 fixed	112-499	0.81m - 5.08m	none	1.25 - 1.79 :1 zoom	112-500	1.33m - 11.73m	Vert: 0.5 (U) 0.3 (D) frame, Hor: 0.1(L) 0.2 (R) frame	1.73 - 2.27 :1 zoom	112-501	1.83m - 14.9m	Vert: 0.5 (U) 0.3 (D) frame, Hor: 0.1(L) 0.2 (R) frame	2.22 - 3.67 :1 zoom	112-502	2.36m - 24.2m	Vert: 0.5 (U) 0.3 (D) frame, Hor: 0.1(L) 0.2 (R) frame	3.58 - 5.38 :1 zoom	112-503	3.8m - 35.35m	Vert: 0.5 (U) 0.3 (D) frame, Hor: 0.1(L) 0.2 (R) frame	5.31 - 8.26 :1 zoom	112-504	5.59m - 54.8m	Vert: 0.5 (U) 0.3 (D) frame, Hor: 0.1(L) 0.2 (R) frame
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<b>Lens Mount</b>	Motorised and programmable shift, zoom and focus. Intelligent Lens Memory with 10 user-definable preset positions (except UST lens).																																				
<b>Mechanical Mounting</b>	Front/Rear Table Front/Rear Ceiling Adjustable Front/Rear Feet																																				
<b>Orientation</b>	<b>Table Top or Inverted:</b> Yes <b>Pointing Up:</b> Yes <b>Pointing Down:</b> Yes <b>Roll (Portrait):</b> Yes																																				
<b>Power Requirements</b>	100-240VAC 50/60Hz single phase																																				
<b>Power Consumption</b>	880 (920 @100 Vac)																																				

<b>Thermal Dissipation</b>	3000 (3137 @100 Vac)	
<b>Fan Noise</b>	40 dBA	
<b>Operating/Storage Temperature Operating:</b>	Operating: 0 to 40C (32 to 104F) Storage: -20 to 60C (-4 to 140F)	
<b>Operating Humidity</b>	10 to 90% non-condensing	
<b>Weight</b>	28 kg / 62 lbs	
<b>Dimensions</b>	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	
<b>Safety &amp; EMC Regulations</b>	CE, FCC Class A, UL, CCC	
<b>Accessories</b>	Accessory	Part No.
	Infrared Remote (replacement)	117-780
	<i>*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.</i>	
<b>Downloads</b>	<a href="#">PDF CAD Drawings</a> <a href="#">AUTOCAD Drawings</a> <a href="#">STEP / IGS Drawings</a> <a href="#">Lens CAD Drawings</a>	
<b>User Guide</b>	<a href="#">User Guides</a> <a href="#">User Guides (German)</a> <a href="#">User Guides (French)</a> <a href="#">User Guides (Korean)</a> <a href="#">Laser Risk Group Document</a> <a href="#">Important Information</a> <a href="#">Control Protocol</a> <a href="#">Ultra Short Throw Lens</a> <a href="#">Ultra Short Throw Lens Installation Guide</a>	



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