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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:

Colour System:	Laser Phosphor
Display Type:	1 x 0.67" DarkChip™ DMD™
DMD Specification:	1920 x 1200 pixels native display. Fast transit pixels for smooth greyscale and improved contrast.
Aspect Ratio:	16x10
Fill Factor	87%
Key Features:	Video & Graphics Processing • HDMI 1.4 for Side by Side, Frame Packing & Top Bottom 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. • 3GSDI with loop-through. • 24p and 1080p native display. • DICOM Simulation Mode. Geometry Correction • Cornerstone, Vertical & Horizontal Keystone, Pincushion & Barrel, and Image Rotation. • Blanking control for custom input window sizing. • Scaling for fixed aspect ratio screens. Edge Blending

	• 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	<table><tr><th colspan="3">Video & Computer</th><th colspan="3">Communication & Control</th></tr><tr><th>Type</th><th>Connector</th><th>Qty</th><th>Type</th><th>Connector</th><th>Qty</th></tr><tr><td>DisplayPort 1.1a</td><td>DisplayPort</td><td>1</td><td>3D Sync Out</td><td>BNC</td><td>1</td></tr><tr><td>HDMI 1.4</td><td>HDMI</td><td>2</td><td>3D Sync In</td><td>BNC</td><td>1</td></tr><tr><td>3G-SDI in</td><td>BNC</td><td>1</td><td>LAN</td><td>RJ45</td><td>1</td></tr><tr><td>3G-SDI out</td><td>BNC</td><td>1</td><td>RS232</td><td>9-pin D Sub</td><td>1</td></tr><tr><td>VGA / Analog RGB</td><td>15-pin D-Sub</td><td>1</td><td>Wired Remote</td><td>3.5mm Stereo Jack</td><td>1</td></tr><tr><td>Component Video</td><td>5 x BNC</td><td>1</td><td>12V Trigger</td><td>3.5mm Stereo Jack</td><td>2</td></tr><tr><td>HDBaseT</td><td>LAN</td><td>1</td><td>Service Port</td><td>USB Type A</td><td>1</td></tr><tr><td>DVI-D with HDCP</td><td>DVI</td><td>1</td><td></td><td></td><td></td></tr></table>	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			
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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)																																				
Colour Temperature	User selectable from 5000 to 9300K																																				
Operation																																					
illumination Type	Laser Light Source																																				
Typical illumination Life	20,000 hours																																				
Lenses	<table><tr><th>Lens</th><th>Part No.</th><th>Optimised Focus Range*</th><th>Lens Shift (Frame)</th></tr><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></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	Part No.	Optimised Focus Range*	Lens Shift (Frame)	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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Lens Mount	Motorised and programmable shift, zoom and focus. Intelligent Lens Memory with 10 user-definable preset positions (except UST lens).																																				
Mechanical Mounting	Front/Rear Table Front/Rear Ceiling Adjustable Front/Rear Feet																																				
Orientation	Table Top or Inverted: Yes Pointing Up: Yes Pointing Down: Yes Roll (Portrait): Yes																																				
Power Requirements	100-240VAC 50/60Hz single phase																																				
Power Consumption	880 (920 @100 Vac)																																				

Thermal Dissipation	3000 (3137 @100 Vac)	
Fan Noise	40 dBA	
Operating/Storage Temperature Operating:	Operating: 0 to 40C (32 to 104F) Storage: -20 to 60C (-4 to 140F)	
Operating Humidity	10 to 90% non-condensing	
Weight	28 kg / 62 lbs	
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	CE, FCC Class A, UL, CCC	
Accessories		
	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>	
Downloads	PDF CAD Drawings AUTOCAD Drawings STEP / IGS Drawings Lens CAD Drawings	
User Guide	User Guides User Guides (German) User Guides (French) User Guides (Korean) Laser Risk Group Document Important Information Control Protocol Ultra Short Throw Lens Ultra Short Throw Lens Installation Guide	



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