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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: 120-953

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:	<p>Video & Graphics Processing</p> <ul style="list-style-type: none">• 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. <p>Geometry Correction</p> <ul style="list-style-type: none">• Cornerstone, Vertical & Horizontal Keystone, Pincushion & Barrel, and Image Rotation.• Blanking control for custom input window sizing.• Scaling for fixed aspect ratio screens. <p>Edge Blending</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		
Type	Connector	Qty
DisplayPort 1.1a	DisplayPort	1
HDMI 1.4	HDMI	2
3G-SDI in	BNC	1
3G-SDI out	BNC	1
VGA / Analog RGB	15-pin D-Sub	1
Component Video	5 x BNC	1
HDBaseT	LAN	1
DVI-D with HDCP	DVI	1
Communication & Control		
Type	Connector	Qty
3D Sync Out	BNC	1
3D Sync In	BNC	1
LAN	RJ45	1
RS232	9-pin D Sub	1
Wired Remote	3.5mm Stereo Jack	1
12V Trigger	3.5mm Stereo Jack	2
Service Port	USB Type A	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)																																				
Colour Temperature	User selectable from 5000 to 9300K																																				
Operation																																					
illumination Type	Laser Light Source																																				
Typical illumination Life	20,000 hours																																				
Lenses	<table border="1"> <thead> <tr> <th>Lens</th> <th>Part No.</th> <th>Optimised Focus Range*</th> <th>Lens Shift (Frame)</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.	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	<table border="1"> <thead> <tr> <th>Accessory</th> <th>Part No.</th> </tr> </thead> <tbody> <tr> <td>Infrared Remote (replacement)</td> <td>117-780</td> </tr> </tbody> </table> <p><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></p>	Accessory	Part No.	Infrared Remote (replacement)	117-780
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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				



DIGITAL PROJECTION, INC



55 Chastain Road, Suite 115 Kennesaw, GA.

30144



T: 770.420.1350 | F: 770.420.1360



www.digitalprojection.com



DIGITAL PROJECTION, LTD



Greenside Way, Middleton Manchester, UK

M24 1XX



T: +44.161.947.3300 | F: +44.161.684.7674



www.digitalprojection.co.uk



DIGITAL PROJECTION, INC



55 Chastain Road, Suite 115 Kennesaw, GA.

30144



T: 770.420.1350 | F: 770.420.1360



www.digitalprojection.com



DIGITAL PROJECTION, CHINA



Rm A2301, Shaoyaoju 101 North Lane, Shi Ao

International Center, Chaoyang District, Beijing 100029,
PR China



T: +86.10.58239771 | F: +86 10 58239770



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