

E-Vision Laser 8500 WUXGA Black

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

E-VISION LASER 8500
DIGITAL PROJECTOR



THE VISIONARIES CHOICE

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

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

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			HDTV Formats Supported		
Frame Packing			1080p (24Hz, 25Hz, 30Hz, 50Hz, 60Hz), 1080i (50Hz, 60Hz), 720p (50, 60Hz)		
Dual Pipe					
Frame Sequential					
Side By Side (half)					

Top and Bottom

Computer Compatibility

Up to 1920 x 1200

Remote Control

Addressable IR remote control, wireless and wired.
On-Board keypad

Colour Temperature

User selectable from 5000 to 9300K

Illumination Type

Laser Light Source

Lenses

Lens	Part No.	Optimised Focus Range*	Lens Shift
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

* 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

Front/Rear Table
Front/Rear Ceiling
Adjustable Front/Rear Feet

Power Requirements

100-240VAC 50/60Hz single phase

Thermal Dissipation

3000 (3137 @100 Vac)

Operating/Storage Temperature

Operating: 0 to 40C (32 to 104F)
Storage: -20 to 60C (-4 to 140F)

Weight (Chassis Only)

28 kg
62 lb

Safety & EMC Regulations

CE, FCC Class A, UL, CCC

Accessories

Accessory

Infrared Remote (replacement)

Bandwidth

165 MHz on analog RGB
165 Megapixels per second on HDMI

Automation Control

Crestron RoomView® Connected
PJLink
LAN
RS232
AMX (Device Discovery)

Operation



Typical Illumination Life

20,000 hours

Orientation

Table Top or Inverted: Yes

Pointing Up: Yes

Pointing Down: Yes

Roll (Portrait): Yes

Power Consumption

880 (920 @100 Vac)

Fan Noise

40 dBA

Operating Humidity

10 to 90% non-condensing

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

Part No.

117-780

*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](#)

[AUTOCAD Drawings](#)

[STEP / IGS Drawings](#)

[Lens CAD Drawings](#)

[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](#)



Certificate Number 13629
ISO 9001

Specifications subject to change without notice. ©2020 Digital Projection.
DLP®, Digital Light Processing™ and DMD are trademarks of Texas Instruments, Inc



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