

## E-Vision Laser 8500 WUXGA Black

8,500 ANSI Lumens | Contrast Ratio: 10,000:1 (Dynamic Black)1,800:1 native | Part No:116-284

### E-VISION LASER 8500 DIGITAL PROJECTOR



THE VISIONARIES CHOICE

**Colour System:**

Laser Phosphor

**DMD Specification:**

1920 x 1200 pixels native, +/- 12° tilt angle  
Fast transit pixels for smooth greyscale and improved contrast.

**Display Type:**

1 x 0.67" DarkChip™ DMD™

**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

### 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

### Lamp Type

Laser Light Source

### Typical Lamp Life

20,000 hours

### Lenses

Lens	Part No.	Focus Range	Lens Shift
0.38 :1 fixed	117-341	0.68m - 2.44m	none
0.76 :1 fixed	112-499	0.81m - 5.08m	none
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
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
1.72 - 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 Mount

Motorised and programmable shift, zoom and focus.

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

### Mechanical Mounting

### Orientation

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

**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)W

#### Thermal Dissipation

3000 (3137 @100 Vac) BTU/Hour

#### Fan Noise

40 dBA

#### Operating/Storage Temperature

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

#### Operating Humidity

10 to 90% non-condensing

#### Weight (Chassis Only)

28 kg  
62 lb

#### Dimensions

L: 58.0 cm W: 50.0 cm H: 21.6 cm  
L: 22.8 in W: 19.7 in H: 8.5 in

#### Safety & EMC Regulations

CE, FCC Class A, UL, CCC

#### Accessories

##### Accessory

Infrared Remote (replacement)

##### 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](#)

[User Guides](#)

[AUTOCAD Drawings](#)

[User Guides German](#)

[User Guides French](#)

[Important Information](#)



Certificate Number 13629  
ISO 9001

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