

## E-Vision Laser 13000 WU

11,500 ANSI / 12,500 ISO Lumens | Contrast Ratio: 10,000:1 (Dynamic Black) 1,000:1 native | Part No:119-734

## E-VISION LASER 13000 WU DIGITAL PROJECTOR



THE VISIONARIES CHOICE

### Colour System:

Blue and Red Lasers with Phosphor wheel and 3-segment colour wheel

### 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

### Red Laser Assist

- Uses blue and red laser diodes for increased colour fidelity and highly accurate colours

### Video & Graphics Processing

- HDMI 1.4b for Side by Side, Frame Packing, Frame Sequential & 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

- For independent edge and blend width adjustment.

### 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 reception of uncompressed High Definition Video over standard CAT5e/6 LAN cable.
- Allows the projector to be placed up to 100m from the 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.

## Projector Maintenance Features

- Sealed optics.
- Long life 20,000 hour illumination.

### 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
DVI-D 1.0	DVI	1	3D Sync Out	BNC	1
DisplayPort 1.1a	DisplayPort	1	3D Sync In	BNC	1
HDMI 1.4b	HDMI	2	LAN	RJ45	1
3G-SDI in	BNC	1	RS232	9-pin D-Sub	1
3G-SDI out	BNC	1	Wired Remote	3.5mm Stereo Jack 1	1
VGA / Analog RGB	15-pin D-Sub	1	12V Trigger	3.5mm Stereo Jack 2	1
VGA Monitor out	15-pin D-Sub	1			
Component Video	5 x BNC	1			
HDBaseT (see LAN)	LAN RJ45	1			

**NOTE: The LAN port is shared with HDBase-T.**

### 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 Class 1  
LAN  
RS-232  
AMX (Device Discovery)  
Served web page

### Colour Temperature

3200 to 9300K

### Lamp Type

Blue and Red Laser Light Source

### Typical Lamp Life

20,000 hours

### Lenses

Lens	Part No.	Optimised Focus Range	Lens Shift
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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
1.73 - 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 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

200-240VAC 50/60Hz single phase 7.8A

100-130VAC 50/60Hz single phase 11.5A

**Note: that in 100-130VAC operation, the projector will be at 70% brightness**

## Power Consumption

Typical 1470W @ 240VAC in Normal mode  
Typical 1220W @ 240VAC in ECO mode  
Typical 1510W @ 240VAC in High Altitude mode  
Typical 1060W @ 110VAC in Normal mode  
Typical 1050W @ 110VAC in ECO mode  
Typical 1110W @ 110VAC in High Altitude mode W

## Thermal Dissipation

Typical 5016 BTU/Hour @ 240VAC in Normal mode  
Typical 4163 BTU/Hour @ 240VAC in ECO mode  
Typical 5152 BTU/Hour @ 240VAC in High Altitude mode  
Typical 3617 BTU/Hour @ 110VAC in Normal mode  
Typical 3583 BTU/Hour @ 110VAC in ECO mode  
Typical 3787 BTU/Hour @ 110VAC in High Altitude mode  
BTU/Hour

## Fan Noise

Normal mode: 48 dBA Max, 46 dBA Typical  
Eco mode: 44 dBA Max, 42 dBA Typical  
High Altitude Normal mode: 59 dBA Max, 57 dBA Typical  
High Altitude Eco Mode: 59 dBA Max, 57 dBA Typical

## Operating/Storage Temperature

Operating: 0 to 35C (32 to 95F)  
Operating: 35 to 40C (95 to 104F) w/ reduced light output  
Storage: -20 to 60C (-4 to 140F)

## Operating Humidity

10 to 90% relative, non-condensing

## Weight (Chassis Only)

31 kg  
68.3 lb

## 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

UL / cUL, BIS, CB, CCC, KC, FCC (Part 15) Class A, FDA (Accession Number), CE, RoHS 2, IEC EN 60825-1-2014 Class 3R Laser Product, IEC EN 60825-1-2007 Class 1 Laser Product IEC EN 62471-5-2015 Risk Group 3

## 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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