

E-Vision Laser 15000 WU

15,000 ISO / 13,500 ANSI Lumens | Contrast Ratio: 10,000:1 (Dynamic Black) 1,000:1 native | Part Number: 120-994

E-VISION LASER 15000 WU DIGITAL PROJECTOR

THE VISIONARIES CHOICE



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Colour System:

Blue and Red Lasers with Phosphor wheel

DMD Specification:

1920 x 1200 pixels native display.
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.
- Triple Flash processing for 24Hz 3D input (Frame Packed and Dual Pipe 3D)
- 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

- Four Corners, Vertical & Horizontal Keystone, Pincushion & Barrel, Arc and Image Rotation.
- Non Linear Warp.
- Blanking control for custom input window sizing.
- Digital zoom, pan and scan.
- Scaling available for fixed aspect ratio screens and independent input aspect ratios.

Edge Blending

- For independent edge and blend width adjustment.
- Correction for non-active pixels at the edge of the display.
- Electronic black level compensation.

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.
- Selectable default colour gamut

Projector Control

- Intuitive user interface for network control

PC Projector Controller Application for:

- Simultaneous control of user-defined groups of projectors
- At-a-glance monitoring of projector status
- Served web pages for browser monitoring and control access from PC's and Smart phones

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
VGA / Analog RGB	15-pin D-Sub	1	12V Trigger	3.5mm Stereo Jack	2
VGA Monitor out	15-pin D-Sub	1	USB Power 5V/2A	USB Type A	1
Component Video	5 x BNC	1			
HDBaseT (see LAN)	LAN RJ45	1			

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

NOTE: USB Power only for WHDI interfaces.

3D Formats Supported	HDTV Formats Supported
Frame Packing Dual Pipe Frame Sequential Side By Side (half) Top and Bottom	1080p (24Hz, 25Hz, 30Hz, 50Hz, 60Hz), 1080i (50Hz, 60Hz), 720p (50, 60Hz)

Computer Compatibility	Bandwidth
Up to 2560 x 1600 RB displayed within WUXGA	165 MHz on analog RGB 165 Megapixels per second on HDMI

Remote Control	Automation Control
Addressable IR remote control, wireless and wired. On-Board keypad.	PLink Class 1 LAN RS-232 AMX (Device Discovery) Served web page Crestron Connected ART-NET control

Colour Temperature	Operation
3200 to 9300K	



Illumination Type	Typical illumination Life
Blue and Red Laser Light Source	20,000 hours

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. Vert: 0.5 (U) 0.3 (D) frame, Hor: 0.1(L) 0.2 (R) frame none Vert: 0.5 (U) 0.3 (D) frame, Hor: 0.1(L) 0.2 (R) frame Vert: 0.5 (U) 0.3 (D) frame, Hor: 0.1(L) 0.2 (R) frame Vert: 0.5 (U) 0.3 (D) frame, Hor: 0.1(L) 0.2 (R) frame Vert: 0.5 (U) 0.3 (D) frame, Hor: 0.1(L) 0.2 (R) frame Vert: 0.5 (U) 0.3 (D) frame, Hor: 0.1(L) 0.2 (R) frame Vert: 0.5 (U) 0.3 (D) frame, Hor: 0.1(L) 0.2 (R) frame
0.75 - 0.93 :1 zoom	115-339	1.02m - 12.7m	
0.76 :1 fixed	112-499	0.81m - 5.08m	
1.25 - 1.79 :1 zoom	112-500	1.33m - 11.73m	
1.73 - 2.27 :1 zoom	112-501	1.83m - 14.9m	
2.22 - 3.67 :1 zoom	112-502	2.36m - 24.2m	
3.58 - 5.38 :1 zoom	112-503	3.8m - 35.35m	
5.31 - 8.26 :1 zoom	112-504	5.59m - 54.8m	

* 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

Orientation

Table Top or Inverted: Yes
Pointing Up: Yes
Pointing Down: Yes
Roll (Portrait): Yes

Power Requirements

200-240VAC 50/60Hz single phase 8.2A
100-130VAC 50/60Hz single phase 11.9A
Note: that in 100-130VAC operation, the projector will be at 65% brightness

Power Consumption

Typical 1570W @ 240VAC in Normal mode
Typical 1025W @ 110VAC in Normal mode

Thermal Dissipation

Typical 5357 BTU/Hour @ 240VAC in Normal mode
Typical 3497 BTU/Hour @ 110VAC in Normal mode

Fan Noise

Normal mode: 48 dBA Max, 46 dBA Typical
Eco mode: 45 dBA Max, 43 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)

29.5 kg
65 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, 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)
Lens Hood
(Required in the USA for FDA Compliance with lenses 112-503 & 112-504)

Part No.

117-880
121-867

**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](#)

[Laser Risk Group Document](#)

[STEP / IGS Drawings](#)

[Important Information](#)

[Lens CAD Drawings](#)

[Control Protocol](#)

[Ultra Short Throw Lens](#)

[Ultra Short Throw Lens Installation Guide](#)



Certificate Number 13629
ISO 9001

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