

## E-Vision Laser 10K

10,000 ANSI / 11,250 ISO Lumens | Contrast Ratio: 10,000:1 (Dynamic Black) 1,000:1 native | Part Number: 119-028

## E-VISION LASER 10K DIGITAL PROJECTOR



THE VISIONARIES CHOICE

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### Colour System:

Laser Phosphor + 4-segment (RGBW) colour wheel for high brightness

### 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

### 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
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

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

### Operation



### Illumination Type

Laser Light Source

### Typical illumination Life

20,000 hours

### 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. 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

100-240VAC 50/60Hz single phase

### Power Consumption

Typical 1215W @ 240VAC in Normal mode  
Typical 960W @ 240VAC in ECO mode  
Typical 1270W @ 110VAC in Normal mode  
Typical 1000W @ 110VAC in ECO mode

### Thermal Dissipation

Typical 4146 BTU/Hour @ 240VAC in Normal mode  
Typical 3276 BTU/Hour @ 240VAC in ECO mode

### Fan Noise

Normal mode: 42 dBA Typical  
Eco mode: 39 dBA Typical

Typical 4334 BTU/Hour @ 110VAC in Normal mode  
Typical 3412 BTU/Hour @ 110VAC in ECO mode

### Operating/Storage Temperature

Operating: 0 to 40C (32 to 104F)  
Operating: 40 to 45C (104 to 113F) w/ reduced light output  
Storage: -20 to 60C (-4 to 140F)

### Operating Humidity

10 to 90% relative, non-condensing

### Weight (Chassis Only)

28 kg  
62 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

CB, CE, FCC Class 1, KC, UL/cUL, CCC, RoHS 2  
IEC EN 60825-1 Class 3R Laser Product,  
IEC EN 62471-5 Risk Group 2

### 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](#)

[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](#)



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ISO 9001

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