

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](#)



Certificate Number 13629
ISO 9001

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