

E-Vision Laser 10K

9,500 ANSI / 10,500 ISO ANSI Lumens | Contrast Ratio: 10,000:1 (Dynamic Black) 1,000:1 native | Part No:118-060

E-VISION LASER 10K DIGITAL PROJECTOR



THE VISIONARIES CHOICE

Colour System:

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

DMD Specification:

1920 x 1200 pixels native.
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			
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

Laser Light Source

Typical Lamp Life

20,000 hours

Lenses

Lens	Part No.	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
1.72 - 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

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 modeW

Thermal Dissipation

Typical 4146 BTU/Hour @ 240VAC in Normal mode
Typical 3276 BTU/Hour @ 240VAC in ECO mode
Typical 4334 BTU/Hour @ 110VAC in Normal mode
Typical 3412 BTU/Hour @ 110VAC in ECO mode
BTU/Hour

Fan Noise

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

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: 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

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

**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.*

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<http://www.digitalprojection.co.uk/digital-products/images/evlaser10k-cad.jpg>

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[PDF CAD Drawings](#)

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