E-Vision Laser 10K

10,000 ANSI / 11,250 ISO Lumens | Contrast Ratio: 10,000:1 (Dynamic Black) 1,000:1 native | Part No:119-028

E-VISION LASER 10K
DIGITAL PROJECTOR

THE VISIONARIES CHOICE

Colour System:	DMD Specification:
Laser Phosphor + 4-segment (RGBW) colour wheel for high brightness	1920 x 1200 pixels native display. Fast transit pixels for smooth greyscale and improved contrast.

Display Type:	Aspect Ratio:
1 x 0.67" DarkChip™ DMD™	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	1
VGA / Analog RGB	15-pin D-Sub	1	12V Trigger	Jack	2
VGA Monitor out	15-pin D-Sub	1	USB Power 5V/2A	3.5mm Stereo	1
Component Video	5 x BNC	1		Jack	
HDBaseT (see LAN)	LAN RJ45	1	**NOTE: The LAN port is shared with HDBase-T.**	USB Type A	
			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 1920 x 1200	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.	Crestron RoomView® Connected PJLink Class 1 LAN RS-232 AMX (Device Discovery) Served web page

Colour Temperature	Operation
3200 to 9300K	24x7 Operation

Lamp Type	Typical Lamp Life
Laser Light Source	20,000 hours

Lenses

Lens	Part No.	Optimised Focus	Lens Shift
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 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 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: 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	Part No.
Infrared Remote (replacement)	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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