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## E-VISION LASER 10K DIGITAL PROJECTOR



THE VISIONARIES CHOICE

## 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**

### Key Specifications:

<b>Colour System:</b>	Laser Phosphor + 4-segment (RGBW) colour wheel for high brightness
<b>Display Type:</b>	1 x 0.67" DarkChip™ DMD™
<b>DMD Specification:</b>	1920 x 1200 pixels native display. Fast transit pixels for smooth greyscale and improved contrast.
<b>Aspect Ratio:</b>	16x10
<b>Fill Factor</b>	
<b>Key Features:</b>	<p><b>Video &amp; Graphics Processing</b></p> <ul style="list-style-type: none"><li>• HDMI 1.4b for Side by Side, Frame Packing, Frame Sequential &amp; Top Bottom 3D formats.</li><li>• Dual Flash Processing can be used to multiply the displayed frame rate for 3D sources</li><li>• Dual Pipe Processing: Two sources in parallel for Left and Right eyes.</li><li>• Synchronisation of active glasses.</li><li>• 3GSDI with loop-through.</li><li>• 24p and 1080p native display.</li><li>• DICOM simulation mode.</li></ul> <p><b>Geometry Correction</b></p> <ul style="list-style-type: none"><li>• Cornerstone, Vertical &amp; Horizontal Keystone, Pincushion &amp; Barrel, and Image Rotation.</li><li>• Blanking control for custom input window sizing.</li><li>• Scaling for fixed aspect ratio screens.</li></ul>

### 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		
Type	Connector	Qty
DVI-D 1.0	DVI	1
DisplayPort 1.1a	DisplayPort	1
HDMI 1.4b	HDMI	2
3G-SDI in	BNC	1
3G-SDI out	BNC	1
VGA / Analog RGB	15-pin D-Sub	1
VGA Monitor out	15-pin D-Sub	1
Component Video	5 x BNC	1
HDBaseT (see LAN)	LAN RJ45	1
Communication & Control		
Type	Connector	Qty
3D Sync Out	BNC	1
3D Sync In	BNC	1
LAN	RJ45	1
RS232	9-pin D-Sub	1
Wired Remote	3.5mm Stereo Jack	1
12V Trigger		


	<div>USB Power 5V/2A</div> <div><b>NOTE: The LAN port is shared with HDBase-T.</b></div> <div><b>NOTE: USB Power only for WHDI interfaces.</b></div>	<div>3.5mm Stereo Jack</div> <div>USB Type A</div>	<div>2</div> <div>1</div>																													
3D Formats Supported	<div>Frame Packing</div> <div>Dual Pipe</div> <div>Frame Sequential</div> <div>Side By Side (half)</div> <div>Top and Bottom</div>																															
HDTV Formats Supported	1080p (24Hz, 25Hz, 30Hz, 50Hz, 60Hz),1080i (50Hz, 60Hz), 720p (50, 60Hz)																															
Computer Compatibility	Up to 1920 x 1200																															
Bandwidth	<div>165 MHz on analog RGB</div> <div>165 Megapixels per second on HDMI</div>																															
Remote Control	<div>Addressable IR remote control, wireless and wired.</div> <div>On-Board keypad.</div>																															
Automation Control	<div>Crestron RoomView® Connected</div> <div>PJLink Class 1</div> <div>LAN</div> <div>RS-232</div> <div>AMX (Device Discovery)</div> <div>Served web page</div>																															
Colour Temperature	3200 to 9300K																															
Operation	<div></div>																															
illumination Type	Laser Light Source																															
Typical illumination Life	20,000 hours																															
Lenses	<table><tr><th>Lens</th><th>Part No.</th><th>Optimised Focus Range*</th><th>Lens Shift (Frame)</th></tr><tr><td>0.38 :1 fixed</td><td>117-341</td><td>0.68m - 2.44m</td><td>Depends on image size, see Installation Guide.</td></tr><tr><td>0.75 - 0.93 :1 zoom</td><td>115-339</td><td>1.02m - 12.7m</td><td>Vert: 0.5 (U) 0.3 (D) frame, Hor: 0.1(L) 0.2 (R) frame</td></tr><tr><td>0.76 :1 fixed</td><td>112-499</td><td>0.81m - 5.08m</td><td>none</td></tr><tr><td>1.25 - 1.79 :1 zoom</td><td>112-500</td><td>1.33m - 11.73m</td><td>Vert: 0.5 (U) 0.3 (D) frame, Hor: 0.1(L) 0.2 (R) frame</td></tr><tr><td>1.73 - 2.27 :1 zoom</td><td>112-501</td><td>1.83m - 14.9m</td><td>Vert: 0.5 (U) 0.3 (D) frame, Hor: 0.1(L) 0.2 (R) frame</td></tr><tr><td>2.22 - 3.67 :1 zoom</td><td>112-502</td><td>2.36m - 24.2m</td><td>Vert: 0.5 (U) 0.3 (D) frame, Hor: 0.1(L) 0.2</td></tr></table>				Lens	Part No.	Optimised Focus Range*	Lens Shift (Frame)	0.38 :1 fixed	117-341	0.68m - 2.44m	Depends on image size, see Installation Guide.	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	0.76 :1 fixed	112-499	0.81m - 5.08m	none	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
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				(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 mode			
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			
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	28 kg / 62 lbs			
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	<a href="#">PDF CAD Drawings</a>			

	<a href="#">AUTOCAD Drawings</a> <a href="#">STEP / IGS Drawings</a> <a href="#">Lens CAD Drawings</a>
User Guide	<a href="#">User Guides</a> <a href="#">User Guides (German)</a> <a href="#">User Guides (French)</a> <a href="#">User Guides (Korean)</a> <a href="#">Laser Risk Group Document</a> <a href="#">Important Information</a> <a href="#">Control Protocol</a> <a href="#">Ultra Short Throw Lens</a> <a href="#">Ultra Short Throw Lens Installation Guide</a>



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