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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		

	USB Power 5V/2A  <b>NOTE: The LAN port is shared with HDBase-T.</b>  <b>NOTE: USB Power only for WHDI interfaces.</b>	3.5mm Stereo Jack USB Type A	2 1																													
<b>3D Formats Supported</b>	Frame Packing Dual Pipe Frame Sequential Side By Side (half) Top and Bottom																															
<b>HDTV Formats Supported</b>	1080p (24Hz, 25Hz, 30Hz, 50Hz, 60Hz), 1080i (50Hz, 60Hz), 720p (50, 60Hz)																															
<b>Computer Compatibility</b>	Up to 1920 x 1200																															
<b>Bandwidth</b>	165 MHz on analog RGB 165 Megapixels per second on HDMI																															
<b>Remote Control</b>	Addressable IR remote control, wireless and wired. On-Board keypad.																															
<b>Automation Control</b>	Crestron RoomView® Connected PLink Class 1 LAN RS-232 AMX (Device Discovery) Served web page																															
<b>Colour Temperature</b>	3200 to 9300K																															
<b>Operation</b>																																
<b>illumination Type</b>	Laser Light Source																															
<b>Typical illumination Life</b>	20,000 hours																															
<b>Lenses</b>	<table border="1"> <thead> <tr> <th>Lens</th> <th>Part No.</th> <th>Optimised Focus Range*</th> <th>Lens Shift (Frame)</th> </tr> </thead> <tbody> <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 (R) frame</td> </tr> </tbody> </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 (R) frame
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	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%,						
<b>Lens Mount</b>	Motorised and programmable shift, zoom and focus. Intelligent Lens Memory with 10 user-definable preset positions (except UST lens).						
<b>Mechanical Mounting</b>	Front/Rear Table Front/Rear Ceiling Adjustable Front/Rear Feet						
<b>Orientation</b>	<b>Table Top or Inverted:</b> Yes <b>Pointing Up:</b> Yes <b>Pointing Down:</b> Yes <b>Roll (Portrait):</b> Yes						
<b>Power Requirements</b>	100-240VAC 50/60Hz single phase						
<b>Power Consumption</b>	Typical 1215W @ 240VAC in Normal mode Typical 960W @ 240VAC in ECO mode Typical 1270W @ 110VAC in Normal mode Typical 1000W @ 110VAC in ECO mode						
<b>Thermal Dissipation</b>	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						
<b>Fan Noise</b>	Normal mode: 42 dBA Typical Eco mode: 39 dBA Typical						
<b>Operating/Storage Temperature:</b>	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)						
<b>Operating Humidity</b>	10 to 90% relative, non-condensing						
<b>Weight</b>	28 kg / 62 lbs						
<b>Dimensions</b>	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						
<b>Safety &amp; EMC Regulations</b>	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						
<b>Accessories</b>	<table border="1"> <thead> <tr> <th>Accessory</th> <th>Part No.</th> </tr> </thead> <tbody> <tr> <td>Infrared Remote (replacement)</td> <td>117-780</td> </tr> </tbody> </table> <p><i>*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.</i></p>			Accessory	Part No.	Infrared Remote (replacement)	117-780
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<b>Downloads</b>	<a href="#">PDF CAD Drawings</a>						

	<a href="#">AUTOCAD Drawings</a> <a href="#">STEP / IGS Drawings</a> <a href="#">Lens CAD Drawings</a>
<b>User Guide</b>	<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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