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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:

Colour System:	Laser Phosphor + 4-segment (RGBW) colour wheel for high brightness
Display Type:	1 x 0.67" DarkChip™ DMD™
DMD Specification:	1920 x 1200 pixels native display. Fast transit pixels for smooth greyscale and improved contrast.
Aspect Ratio:	16x10
Fill Factor	87%
Key Features:	<p>Video & Graphics Processing</p> <ul style="list-style-type: none">• 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. <p>Geometry Correction</p> <ul style="list-style-type: none">• Cornerstone, Vertical & Horizontal Keystone, Pincushion & Barrel, and Image Rotation.• Blanking control for custom input window sizing.• Scaling for fixed aspect ratio screens.

	<p>Edge Blending</p> <ul style="list-style-type: none">• For independent edge and blend width adjustment. <p>Picture in Picture</p> <ul style="list-style-type: none">• Two sources can be displayed either one within the other (PIP), or side by side, with original aspect ratios maintained. <p>HDBaseT® Interface</p> <ul style="list-style-type: none">• 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. <p>Colour Processing</p> <ul style="list-style-type: none">• Powerful seven point colour correction for accurate colour matching. <p>Projector Controller Software</p> <ul style="list-style-type: none">• Intuitive user interface for network control• Simultaneous control of user-defined groups of projectors• At-a-glance monitoring of projector status <p>Projector Automation</p> <ul style="list-style-type: none">• Real-time clock provides daily on/off automation. <p>Projector Maintenance Features</p> <ul style="list-style-type: none">• Sealed optics.• Long life 20,000 hour illumination.																																																																																								
Source Compatibility	<p>3GSDI is SMPTE 292M, SMPTE 259M-C and SMPTE 424M compliant.</p> <p>HDMI including Deep Color™ processing.</p> <p>Graphics standards up to 1920 x 1200 resolution at 60Hz via HDMI, DisplayPort or VGA.</p> <p>Component Video (SD and HD) via RGBHV.</p>																																																																																								
Inputs/Outputs	<table><tr><th colspan="3">Video & Computer</th><th colspan="3">Communication & Control</th></tr><tr><th>Type</th><th>Connector</th><th>Qty</th><th>Type</th><th>Connector</th><th>Qty</th></tr><tr><td>DVI-D 1.0</td><td>DVI</td><td></td><td>3D Sync Out</td><td></td><td></td></tr><tr><td>DisplayPort</td><td>DisplayPort</td><td>1</td><td>3D Sync In</td><td></td><td></td></tr><tr><td>1.1a</td><td>HDMI</td><td>1</td><td>LAN</td><td>BNC</td><td></td></tr><tr><td>HDMI 1.4b</td><td>BNC</td><td>1</td><td>RS232</td><td>BNC</td><td>1</td></tr><tr><td>3G-SDI in</td><td>BNC</td><td>2</td><td>Wired Remote</td><td>RJ45</td><td>1</td></tr><tr><td>3G-SDI out</td><td>BNC</td><td>1</td><td>12V Trigger</td><td>9-pin D-Sub</td><td>1</td></tr><tr><td>VGA / Analog</td><td>15-pin D-</td><td>1</td><td>USB Power 5V/2A</td><td>3.5mm</td><td>1</td></tr><tr><td>RGB</td><td>Sub</td><td>1</td><td></td><td>Stereo Jack</td><td>1</td></tr><tr><td>VGA Monitor</td><td>15-pin D-</td><td>1</td><td rowspan="2">NOTE: The LAN port is shared with HDBase-T.</td><td>3.5mm</td><td>2</td></tr><tr><td>out</td><td>Sub</td><td>1</td><td>Stereo Jack</td><td>1</td></tr><tr><td>Component</td><td>5 x BNC</td><td>1</td><td rowspan="2">NOTE: USB Power only for WHDI interfaces.</td><td>USB Type A</td><td></td></tr><tr><td>Video</td><td>LAN RJ45</td><td></td><td></td><td></td></tr><tr><td>HDBaseT (see LAN)</td><td></td><td></td><td></td><td></td><td></td></tr></table>	Video & Computer			Communication & Control			Type	Connector	Qty	Type	Connector	Qty	DVI-D 1.0	DVI		3D Sync Out			DisplayPort	DisplayPort	1	3D Sync In			1.1a	HDMI	1	LAN	BNC		HDMI 1.4b	BNC	1	RS232	BNC	1	3G-SDI in	BNC	2	Wired Remote	RJ45	1	3G-SDI out	BNC	1	12V Trigger	9-pin D-Sub	1	VGA / Analog	15-pin D-	1	USB Power 5V/2A	3.5mm	1	RGB	Sub	1		Stereo Jack	1	VGA Monitor	15-pin D-	1	NOTE: The LAN port is shared with HDBase-T.	3.5mm	2	out	Sub	1	Stereo Jack	1	Component	5 x BNC	1	NOTE: USB Power only for WHDI interfaces.	USB Type A		Video	LAN RJ45				HDBaseT (see LAN)					
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	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	<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 (R) frame</td></tr><tr><td>3.58 - 5.38 :1 zoom</td><td>112-503</td><td>3.8m - 35.35m</td><td>Vert: 0.5 (U) 0.3 (D) frame, Hor: 0.1(L) 0.2 (R) frame</td></tr><tr><td>5.31 - 8.26 :1 zoom</td><td>112-504</td><td>5.59m - 54.8m</td><td>Vert: 0.5 (U) 0.3 (D) frame, Hor: 0.1(L) 0.2 (R) frame</td></tr></table> <p>* 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%,</p>	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	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
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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:	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
	<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>	
Downloads	PDF CAD Drawings AUTOCAD Drawings STEP / IGS Drawings Lens CAD Drawings	
User Guide	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](#)



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DIGITAL PROJECTION

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ISO 9001