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E-VISION LASER 4K DIGITAL PROJECTOR

THE VISIONARIES CHOICE



E-Vision Laser 4K-UHD Black HC

4,200 ANSI / 4,700 ISO Lumens | Contrast Ratio: 18,000:1 (Dynamic Black) 2,000:1 native | Part Number: 122-214

Key Specifications:

Colour System:	Laser Phosphor with colourwheel
Display Type:	1 x 0.66" WQXGA+ TRP UHD DMD™
DMD Specification:	Display resolutions 4K-UHD (3840 x 2160) or WQXGA+ (2716 x 1528) 8.3 megapixels on screen at 4K-UHD Fast transit pixels for smooth greyscale and improved contrast.
Aspect Ratio:	16:9
Fill Factor	Not applicable: Smooth Picture DMD™
Key Features:	Video & Graphics Processing <ul style="list-style-type: none">• HDR processing• Two projectors in one - 4K-UHD and WQXGA+.• DisplayPort 1.2.• 2 x HDMI 2.0.• 2 x HDMI 1.4b for Dual Pipe processing and Frame Sequential 3D format.• Sequential Processing: 3D via single HDMI 1.4b input.• Dual Pipe Processing: 3D Left and Right Eyes via two HDMI 1.4b inputs.• Synchronisation of active glasses.• 3G-SDI with loop-through.• DICOM simulation mode.

Geometry Correction

- Cornerstone, Vertical & Horizontal Keystone, Pincushion & Barrel, Arc and Image Rotation.
- Non-linear warp.
- Digital zoom, pan and scan.
- Blanking control for custom input window sizing.
- Scaling available for fixed aspect ratio screens.
- Unscaled processing for pixel mapped display.

Edge Blending

- Blending control available for all sides with width control.
- Correction for non-active pixels at the edge of the display.

Picture in Picture

- Two sources can be displayed simultaneously using 2D inputs: either picture in picture (PIP), or side by side (PBP), with original aspect ratios maintained.

HDBaseT® Interface

- Built in support for reception of uncompressed High Definition Video over standard CAT5e/6 LAN cable.
- Allows projector to be placed up to 100m from source with low cost cabling.
- Supports up to 4K UHD 3840 x 2160@60Hz 4:2:0 or 4K UHD 3840 x 2160@30Hz 4:4:4

Colour Processing

- Four colour modes available.
- Powerful seven point colour correction for accurate colour matching with presets.
- Easy colour temperature selection.
- Manual seven point colour adjustment.
- Traditional lifts and gains.

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.
- E-mail alerts for system status.

Source Compatibility

2D graphics standards up to 4K-UHD 3840 x 2160 resolution at 60Hz via HDMI 2.0, HDBaseT (4:2:0) and DisplayPort inputs.

3D graphics standards up to WQXGA at 120Hz DualPipe via HDMI 1.4b inputs.

3GSDI is SMPTE 292M, SMPTE 259M-C and SMPTE 424M compliant.

WQXGA+ mode

2D sources up to WQXGA+ at 120Hz can be displayed scaled to fit WQXGA+.

3D sources up to WQXGA at 120Hz can be displayed scaled to fit WQXGA+.

4K-UHD mode

2D sources up to 4K-UHD will be displayed scaled to fit 4K-UHD.

Auto mode


Sources greater than WQXGA+ will be displayed scaled to fit 4K-UHD.

Sources up to WQXGA+ will be displayed scaled to fit WQXGA+.

Inputs/Outputs

Video & Computer

Communication & Control

	Type	Connector	Qty	Type	Connector	Qty												
	DisplayPort 1.2 (2D)	DisplayPort	1	3D Sync Out	BNC													
	HDMI 1.4b (3D)	HDMI	2	3D Sync In	BNC													
	HDMI 2.0 (2D)	HDMI	2	LAN	RJ45	1												
	3G-SDI in (2D)	BNC	1	RS232	9-pin D	1												
	3G-SDI out	BNC	1	Wired Remote	Sub	2												
	HDBaseT (see LAN) (2D)	RJ45	1	12V Trigger	3.5mm	1												
				3D Sync IR Out	Stereo	1												
				NOTE: One of the LAN ports is shared with HDBase-T.	Jack	2												
					3.5mm	1												
					Stereo													
					Jack													
					BNC													
3D Formats Supported	Frame Sequential Dual-Pipe																	
HDTV Formats Supported	1080p (24Hz, 25Hz, 30Hz, 50Hz, 60Hz, 100Hz, 120Hz) 1080i (50Hz, 60Hz) 720p (50, 60Hz) 2K (24Hz, 25Hz, 30Hz, 50Hz, 60Hz) 4K-UHD (24Hz, 25Hz, 30Hz, 50Hz, 60Hz)																	
Computer Compatibility	2D 4K-UHD up to 60Hz. WQXGA+ up to 120Hz. 3D Supported formats will be displayed within WQXGA+.																	
Bandwidth	498 megapixels per second via DisplayPort and HDMI 2.0.																	
Remote Control	Addressable IR remote control, wireless and wired. On-Board keypad																	
Automation Control	Crestron RoomView® Connected PJLink Class 1 LAN RS232 AMX (Device Discovery) Served web pages (projector status, projector control, Crestron RoomView®, network settings, alert mail setup, time setup, error log, On Screen Display)																	
Colour Temperature	3200K to 9300K																	
Operation																		
illumination Type	Laser Light Source																	
Typical illumination Life	20,000 hours																	
Lenses	<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>0.74 - 0.93 :1 zoom</td> <td>118-679</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>1.24 - 1.78 :1 zoom</td> <td>118-563</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> </tbody> </table>						Lens	Part No.	Optimised Focus Range*	Lens Shift (Frame)	0.74 - 0.93 :1 zoom	118-679	1.02m - 12.7m	Vert: 0.5 (U) 0.3 (D) frame, Hor: 0.1 (L) 0.2 (R) frame	1.24 - 1.78 :1 zoom	118-563	1.33m - 11.73m	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	100-130VAC and 200-240VAC selectable, 50/60Hz single phase								
Power Consumption	950 W @220 Vac (1000 W @110 Vac)								
Thermal Dissipation	Max 3139 BTU/hour @100 VAC Max 3002 BTU/hour @240 VAC								
Fan Noise	Smooth Picture On: <i>Normal mode:</i> typical 40 (max 42) dBA <i>Eco2 mode:</i> typical 37 (max 39) dBA Smooth Picture Off: <i>Normal mode:</i> typical 38 (max 40) dBA <i>Eco2 mode:</i> typical 34 (max 36) dBA								
Operating/Storage Temperature Operating:	Operating: 5 to 40C (41 to 104F) Storage: -10 to 60C (14 to 140F)								
Operating Humidity	10 to 85% non-condensing								
Weight	28.15 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	CE, FCC Class A, CCC, UL/cUL, FDA CB, KC, CEL, CECP								
Accessories	<table border="1"> <thead> <tr> <th>Accessory</th> <th>Part No.</th> </tr> </thead> <tbody> <tr> <td>Infrared Remote (replacement)</td> <td>117-880</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)	117-880				
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Downloads	PDF CAD Drawings AUTOCAD Drawings STEP / IGS Drawings Lens CAD Drawings								

User Guide	User Guides Laser Risk Group Document Important Information Important Information (Korean) Control Protocol Ultra Short Throw Lens Ultra Short Throw Lens Installation Guide
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