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E-VISION LASER 11000 4K-UHD DIGITAL PROJECTOR

THE VISIONARIES CHOICE



E-Vision Laser 11000 4K-UHD

9,500 ANSI / 10,500 ISO Lumens | Contrast Ratio: 6,000:1 (Dynamic Black) 1,000:1 native | Part Number: 119-735

Key Specifications:

Colour System:	Laser Phosphor with enhanced 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 with HDCP 2.2• 2 x HDMI 2.0 with HDCP 2.2• 2 x HDMI 1.4b inputs with HDCP 1.4 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

- Onboard 4-Cornerstone, Vertical & Horizontal Keystone, Pincushion & Barrel, Arc, and Image Rotation
- User definable custom warp
- Digital zoom, pan and scan.
- Independent four boundary 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 with the 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: ColorMax / Manual Color Matching / Color Temperature / Gains and Lifts
- 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>Lens Shift (Frame)</th> <th>Optimised Focus Range*</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>0.74 - 0.93 :1 zoom</td> <td>115-339</td> <td>1.02m - 12.7m</td> <td>Vert: 0.5 (U) 0.3 (D)</td> </tr> </tbody> </table>						Lens	Part No.	Lens Shift (Frame)	Optimised Focus Range*	0.38 :1 fixed	117-341	0.68m - 2.44m	Depends on image size, see Installation Guide.	0.74 - 0.93 :1 zoom	115-339	1.02m - 12.7m	Vert: 0.5 (U) 0.3 (D)
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			frame, Hor: 0.1(L) 0.2 (R) frame
0.76 :1 fixed	112-499	0.81m - 5.08m	none
1.24 - 1.78 :1 zoom	112-500	1.33m - 11.73m	Vert: 0.5 (U) 0.3 (D) frame, Hor: 0.1(L) 0.2 (R) frame
1.71 - 2.25 :1 zoom	112-501	1.83m - 14.9m	Vert: 0.5 (U) 0.3 (D) frame, Hor: 0.1(L) 0.2 (R) frame
2.2 - 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
3.54 - 5.36 :1 zoom	112-503	3.8m - 35.35m	Vert: 0.5 (U) 0.3 (D) frame, Hor: 0.1(L) 0.2 (R) frame
5.24 - 8.27 :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	100-130VAC and 200-240VAC selectable, 50/60Hz single phase
Power Consumption	100V_60HZ Typical: 1344W, Maximum TBDW 240V_50HZ Typical: 1290W , Maximum TBDW
Thermal Dissipation	Typical 4590 BTU/Hour @ 100VAC Typical 4406 BTU/Hour @ 240VAC
Fan Noise	Smooth Picture On: <i>Normal mode:</i> typical 43 (max 45) dBA <i>Eco mode:</i> typical 39 (max 41) dBA Smooth Picture Off: <i>Normal mode:</i> typical 42 (max 44) dBA <i>Eco mode:</i> typical 38 (max 40) 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 ((with maximum temperature of 40C)
Weight	31 kg / 63.34 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	UL/cUL, BIS, CB, CCC, CQC Eco label, CECP, KC, KTL, IC,BSMI, RoHS (China), RoHS (EU),FCC Class A, FDA,CE, IEC EN 60825-1 Class 3R Laser Product, IEC EN 62471-5 Risk Group 2, WEEE (EU), PSE, UKCA	
Accessories	Accessory	Part No.
	Infrared Remote (replacement)	117-880
	<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) Laser Risk Group Document Important Information Control Protocol Ultra Short Throw Lens Ultra Short Throw Lens Installation Guide	



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