DIGITAL PROJECTION

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: 120-602

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** • 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

Type	Connector	Qty
DisplayPort 1.2 (2D)	DisplayPort	1
HDMI 1.4b (3D)	HDMI	2
HDMI 2.0 (2D)	HDMI	2
3G-SDI in (2D)	BNC	1
3G-SDI out	BNC	1
HDBaseT (see LAN) (2D)	RJ45	1

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Communication & Control

Type	Connector	Qty
3D Sync Out		
3D Sync In		
LAN	BNC	1
RS232	BNC	1
Wired Remote	RJ45	2
12V Trigger	9-pin D Sub	1
3D Sync IR Out	3.5mm Stereo Jack	1
	3.5mm Stereo Jack	2
NOTE: One of the LAN ports is shared with HDBase-T.	BNC	1

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	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.
	0.74 - 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
	1.24 - 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	200-240VAC 50/60Hz single phase 6.6A 100-130VAC 50/60Hz single phase 14.0A Note: that in 100-130VAC operation, the projector will be at 80% brightness
Power Consumption	1080W @110V, 240V_50HZ Typical: 1290W
Thermal Dissipation	Typical 3685 BTU/Hour @ 100VAC Typical 4406 BTU/Hour @ 240VAC
Fan Noise	**Smooth Picture On:** *Normal mode*: typical 43 (max 45) dBA *Eco mode*: typical 39 (max 41) dBA **Smooth Picture Off:**

	Normal mode: typical 42 (max 44) dBA *Eco mode*: 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

*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	

PDF CAD Drawings

AUTOCAD Drawings

STEP / IGS Drawings

Lens CAD Drawings

User Guide	

User Guides

User Guides (German)

User Guides (French)

Laser Risk Group Document

Important Information

Important Information (German)

Important Information (French)

Control Protocol

Ultra Short Throw Lens

Ultra Short Throw Lens Installation Guide

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