

## E-VISION LASER 11000 4K-UHD DIGITAL PROJECTOR

THE VISIONARIES CHOICE



**9,500 ANSI / 10,500 ISO Lumens | Contrast Ratio: 6,000:1 (Dynamic Black) 1,000:1 native | Part Number: 120-602**

### Colour System:

Laser Phosphor with enhanced colourwheel

### DMD Specification:

Display resolutions 4K-UHD (3840 x 2160)  
or WQXGA+ (2716 x 1528)

### Display Type:

1 x 0.67" WQXGA+ TRP UHD DMD™

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			Communication & Control		
Type	Connector	Qty	Type	Connector	Qty
DisplayPort 1.2 (2D)	DisplayPort	1	3D Sync Out	BNC	1
HDMI 1.4b (3D)	HDMI	2	3D Sync In	BNC	1
HDMI 2.0 (2D)	HDMI	2	LAN	RJ45	2
3G-SDI in (2D)	BNC	1	RS232	9-pin D Sub	1
3G-SDI out	BNC	1	Wired Remote	3.5mm Stereo Jack	1
HDBaseT (see LAN) (2D)	RJ45	1	12V Trigger	3.5mm Stereo Jack	2
			3D Sync IR Out	BNC	1

**NOTE: One of the LAN ports is shared with HDBase-T.**

3D Formats Supported	HDTV Formats Supported
Frame Sequential Dual-Pipe	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	Bandwidth
<b>2D</b> 4K-UHD up to 60Hz. WQXGA+ up to 120Hz.	498 megapixels per second via DisplayPort and HDMI 2.0.
<b>3D</b> Supported formats will be displayed within WQXGA+.	

Remote Control	Automation Control
Addressable IR remote control, wireless and wired. On-Board keypad	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	Operation
3200K to 9300K	

Illumination Type	Typical illumination Life
Laser Light Source	20,000 hours

### Lenses

Lens	Part No.	Optimised Focus Range*	Lens Shift
0.38 :1 fixed	117-341	0.68m - 2.44m	Depends on image size, see Installation Guide. Vert: 0.5 (U) 0.3 (D) frame, Hor: 0.1(L) 0.2 (R) frame none Vert: 0.5 (U) 0.3 (D) frame, Hor: 0.1(L) 0.2 (R) frame Vert: 0.5 (U) 0.3 (D) frame, Hor: 0.1(L) 0.2 (R) frame Vert: 0.5 (U) 0.3 (D) frame, Hor: 0.1(L) 0.2 (R) frame Vert: 0.5 (U) 0.3 (D) frame, Hor: 0.1(L) 0.2 (R) frame Vert: 0.5 (U) 0.3 (D) frame, Hor: 0.1(L) 0.2 (R) frame Vert: 0.5 (U) 0.3 (D) frame, Hor: 0.1(L) 0.2 (R) frame
0.74 - 0.93 :1 zoom	115-339	1.02m - 12.7m	
0.76 :1 fixed	112-499	0.81m - 5.08m	
1.24 - 1.78 :1 zoom	112-500	1.33m - 11.73m	
1.71 - 2.25 :1 zoom	112-501	1.83m - 14.9m	
2.2 - 3.67 :1 zoom	112-502	2.36m - 24.2m	
3.54 - 5.36 :1 zoom	112-503	3.8m - 35.35m	
5.24 - 8.27 :1 zoom	112-504	5.59m - 54.8m	

\* 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:**  
*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: 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 (Chassis Only)

31 kg  
63.34 lb

### 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

Infrared Remote (replacement)

#### Part No.

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](#)

[User Guides](#)

[AUTOCAD Drawings](#)

[User Guides \(German\)](#)

[STEP / IGS Drawings](#)

[Laser Risk Group Document](#)

[Lens CAD Drawings](#)

[Important Information](#)

[Control Protocol](#)

[Ultra Short Throw Lens](#)

[Ultra Short Throw Lens Installation Guide](#)



Certificate Number 13629  
ISO 9001



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