

## E-VISION LASER 5900 DIGITAL PROJECTOR

THE VISIONARIES CHOICE



5,300 ANSI / 6,000 ISO Lumens | Contrast Ratio: 2,000:1 Native 20,000:1 Dynamic | Part Number: 120-551

**Colour System:**

Laser Phosphor

**DMD Specification:**

1920 x 1200 pixels native resolution.

Fast transit pixels for smooth greyscale and improved contrast.

**Display Type:**

1 x 0.67" DarkChip™ DMD™

**Aspect Ratio:**

16x10

**Fill Factor**

## Key Features

### Video & Graphics Processing

- HDMI 1.4a for Side by Side, Frame Packing, Frame Sequential & Top Bottom 3D formats.
- Synchronisation of active 3D glasses.
- DICOM simulation mode.
- Mobile High-Definition Link (MHL™) connection allows mirrored content from smartphones, tablets and other portable consumer electronics devices.

### Geometry Correction

- Vertical & Horizontal Keystone correction (2D: Vertical  $\pm 30^\circ$ , Horizontal  $\pm 30^\circ$ ).
- Four Corner adjustment.
- Selectable 16:9, 4:3, Native, Letterbox and Full Screen aspect ratios.
- Digital Zoom +10~-10.

### HDBaseT® Interface

- Built in support for transmission 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.
- HDBaseT® includes audio, Ethernet 100BaseT and RS232/IR control.

## Colour Processing

- 2 x speed, 3 Segment (GBY) Phosphor wheel.
- 2 x 120Hz speed, 4 Segment (RGBY) Colour wheel.
- 10-bit colour display.
- Powerful seven point colour correction for accurate colour matching.

## Source Compatibility:

Graphics standards up to 1920 x 1200 resolution at 60Hz.  
Input support for 4K-UHD, 3840 x 2160 and 4096 x 2160 at 60 Hz.

## Inputs/Outputs

### Video & Computer

Type	Connector	Qty
HDMI 1.4a	HDMI	2
HDMI 1.4a + MHL	HDMI	1
VGA / Analog RGB	15-pin D-Sub	1
VGA / Monitor Out	15-pin D-Sub	1
Composite Video	RCA	1
HDBaseT	RJ45	1
USB Type A / (5V/1.5A)	USB Type A	1

**NOTE: The USB is to power WHDI™ interfaces.**

### Audio:

Audio IN L+R	Phono	2
Audio IN L+R	3.5 mm jack	1
Mic IN	3.5 mm jack	1
Audio OUT (variable)	3.5 mm jack	1
Speakers	5W speaker	2

### Communication & Control

Type	Connector	Qty
LAN	RJ45	1
RS-232C	9-pin D-sub	1
USB (for Service)	Mini B	1
3D Sync Out	VESA 3-PIN mini DIN	1

**NOTE: The HDBaseT and LAN ports are not shared.**

### 3D Formats Supported

Frame Packing  
Frame Sequential  
Side By Side (half)  
Top and Bottom

### HDTV Formats Supported

1080p (24Hz, 25Hz, 30Hz, 50Hz, 60Hz), 1080i (50Hz, 60Hz), 720p (50, 60Hz)

### Computer Compatibility

VGA, SVGA, XGA, SXGA, SXGA+, UXGA, WUXGA@60hz

### Bandwidth

### Remote Control

IR remote control, 2 x IR receivers (front sensitivity up to 7m, rear sensitivity up to 10m)

### Automation Control

LAN control - Crestron RoomView® Connected  
LAN control - Crestron eControl  
LAN control - Extron  
LAN control - AMX SSDP  
LAN control to RS232 by Telnet  
HDBaseT communication  
Projector status email alerts  
PJ Link (Class1)

### Colour Temperature

Warm / Normal / Cold

### Operation



### Illumination Type

Laser Light Source

### Typical illumination Life

20,000 hours

### Lenses

Lens	Part No.	Optimised Focus Range*	Lens Shift
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1.15 - 1.9:1	N/A	1.5m - 10.0m	
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Vert: Fixed Offset 0.65 (U) frame with small variable vertical and horizontal shift

\* 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

Manual focus

### Mechanical Mounting

Front/Rear  
 Front/Rear Ceiling  
 Two adjustable front feet, 10° (43mm)  
 Ceiling Mount compatible chassis with 7 off M4 mounting holes

### 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

Normal Mode (100%) 480W @230V 500W @110V  
 Eco Mode (80%) 355W @230V 365W @110V

### Thermal Dissipation

Normal Mode (typical):  
 1706 BTU/Hour @ 110VAC  
 1638 BTU/Hour @ 230VAC

### Fan Noise

Normal Mode Typ: 36 dBA / Max: 38 dBA

### Operating/Storage Temperature

Operating: 0° to 40°C (32F to 104F)  
 Storage: -20° to 60°C (-4F to 140F)

### Operating Humidity

10 to 85% non-condensing

### Weight (Chassis Only)

10.5 kg  
 23.21 lb

### Dimensions

L: 44.56 cm W: 36.0 cm H: 16.35 cm  
 L: 17.54 in W: 14.17 in H: 6.43 in

### Safety & EMC Regulations

UL/cUL, CB, CCC/CECP, FCC Class B, FDA, CE  
 IEC 60825-1:2007 3R  
 IEC60825-1:2014 Class 1  
 IEC EN 62471-5 Risk Group 2

### 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](#)

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

[Laser Risk Group Document](#)

[Important Information](#)

[Control Protocol](#)

[Ultra Short Throw Lens](#)

[Ultra Short Throw Lens Installation Guide](#)



Certificate Number 13629  
 ISO 9001



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