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E-Vision Laser 5900 WUXGA

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

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

Display Type:

1 x 0.67" DarkChip™ DMD™

DMD Specification:

1920 x 1200 pixels native resolution.

Fast transit pixels for smooth greyscale and improved contrast.

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			Communication & Control		
Type	Connector	Qty	Type	Connector	Qty
HDMI 1.4a	HDMI	2	LAN	RJ45	1
HDMI 1.4a + MHL	HDMI	1	RS-232C	9-pin D-sub	1
VGA / Analog RGB	15-pin D-Sub	1	USB (for Service)	Mini B	1
VGA / Monitor Out	15-pin D-Sub	1	3D Sync Out	VESA 3-PIN mini DIN	1
Composite Video	RCA	1	NOTE: The HDBaseT and LAN ports are not shared.		
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			

3D Formats Supported

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

Computer Compatibility

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

Remote Control

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

Colour Temperature

Warm / Normal / Cold

illumination Type

Laser Light Source

Lenses

HDTV Formats Supported

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

Bandwidth

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

Operation



Typical illumination Life

20,000 hours

Lens Part No. Optimised Focus Range* Lens Shift

1.15 - 1.9:1 N/A 1.5m - 10.0m 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

Power Requirements

100-240VAC 50/60Hz single phase

Thermal Dissipation

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

Operating/Storage Temperature

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

Weight (Chassis Only)

10.5 kg
23.21 lb

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

Orientation

Table Top or Inverted: Yes
Pointing Up: Yes
Pointing Down: Yes
Roll (Portrait): Yes

Power Consumption

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

Fan Noise

Normal Mode Typ: 36 dBA / Max: 38 dBA

Operating Humidity

10 to 85% non-condensing

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

**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](#)

[Laser Risk Group Document](#)

[STEP / IGS Drawings](#)

[Important Information](#)

[Ultra Short Throw Lens](#)

[Ultra Short Throw Lens Installation Guide](#)



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