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DIGITAL PROJECTION

Specification Sheet

E-Vision Laser 8500 WUXGA White

8,500 ANSI Lumens (+/- 10%) | Contrast Ratio: 10,000:1 (Dynamic Black)1,800:1 native | Part Number: 116-691

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Colour System:
Laser Phosphor

Display Type:
1 x 0.67" DarkChip™ DMD™

DMD Specification:
1920 x 1200 pixels native.
Fast transit pixels for smooth greyscale and improved contrast.

Aspect Ratio:
16x10

Fill Factor
87%

Key Features

Video & Graphics Processing

- HDMI 1.4 for Side by Side, Frame Packing & Top Bottom 3D Formats.
- Dual Flash Processing can be used to multiply the displayed frame rate for 3D sources
- Dual Pipe Processing: Two sources in parallel for Left and Right Eyes.
- Synchronisation of active glasses or polarising switcher.
- 3GSDI with loop-through.
- 24p and 1080p native display.
- DICOM Simulation Mode.

Geometry Correction

- Cornerstone, Vertical & Horizontal Keystone, Pincushion & Barrel, and Image Rotation.

- Blanking control for custom input window sizing.
- Scaling for fixed aspect ratio screens.

Edge Blending

- Correction for non-active pixels at the edge of the display.

Picture in Picture

- Two sources can be displayed either one within the other (PIP), or side by side, with original aspect ratios maintained.

HDBaseT® Interface

- Built in support for transmission 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.

Colour Processing

- Powerful seven point colour correction for accurate colour matching.

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.

Source Compatibility:

3GSDI is SMPTE 292M, SMPTE 259M-C and SMPTE 424M compliant.
HDMI including Deep Color™ processing.
Graphics standards up to 1920 x 1200 resolution at 60Hz via HDMI, DisplayPort or VGA.
Component Video (SD and HD) via RGBHV.

Inputs/Outputs

Video & Computer			Communication & Control		
Type	**Connector**	**Qty**	**Type**	**Connector**	**Qty**
DisplayPort 1.1a	DisplayPort	1	3D Sync Out	BNC	1
HDMI 1.4	HDMI	2	3D Sync In	BNC	1
3G-SDI in	BNC	1	LAN	RJ45	1
3G-SDI out	BNC	1	RS232	9-pin D Sub	1
VGA / Analog RGB	15-pin D-Sub	1	Wired Remote	3.5mm Stereo Jack	1
Component Video	5 x BNC	1	12V Trigger	3.5mm Stereo Jack	2
HDBaseT	LAN	1	Service Port	USB Type A	1

3D Formats Supported

Frame Packing
Dual Pipe
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

Up to 1920 x 1200

Bandwidth

165 MHz on analog RGB
165 Megapixels per second on HDMI

Remote Control

Addressable IR remote control, wireless and wired.
On-Board keypad

Automation Control

Crestron RoomView® Connected
PJLink
LAN
RS232
AMX (Device Discovery)

Colour Temperature

User selectable from 5000 to 9300K

Operation

24x7 OPERATION

Lamp Type

Laser Light Source

Typical Lamp Life

20,000 hours

Lenses

Lens	Part No.	Focus Range	Lens Shift
0.75 - 0.93 :1 zoom	115-339	1.02m - 12.7m	Vert: 0.5 (U) 0 (D) frame, Hor: 0.1(L) 0.1 (R) frame
0.76 :1 fixed	112-499	0.81m - 5.08m	none
1.25 - 1.79 :1 zoom	112-500	1.33m - 11.73m	Vert: 0.5 (U) 0 (D) frame, Hor: 0.1(L) 0.1 (R) frame
1.72 - 2.27 :1 zoom	112-501	1.83m - 14.9m	Vert: 0.5 (U) 0 (D) frame, Hor: 0.1(L) 0.1 (R) frame
2.22 - 3.67 :1 zoom	112-502	2.36m - 24.2m	Vert: 0.5 (U) 0 (D) frame, Hor: 0.1(L) 0.1 (R) frame
3.58 - 5.38 :1 zoom	112-503	3.8m - 35.35m	Vert: 0.5 (U) 0 (D) frame, Hor: 0.1(L) 0.1 (R) frame
5.31 - 8.26 :1 zoom	112-504	5.59m - 54.8m	Vert: 0.5 (U) 0 (D) frame, Hor: 0.1(L) 0.1 (R) frame

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

Power Requirements

100-240VAC 50/60Hz single phase

Power Consumption

880 (920 @100 Vac)W

Thermal Dissipation

3000 (3137 @100 Vac) BTU/Hour

Fan Noise

40 dBA

Operating/Storage Temperature

Operating: 0 to 40C (32 to 104F)
Storage: -5 to 45C (23 to 113F)

Operating Humidity

10 to 95% non-condensing

Weight (Chassis Only)

28 kg
62 lb

Dimensions

L: 58.0 cm W: 50.0 cm H: 21.6 cm
L: 22.8 in W: 19.7 in H: 8.5 in

Safety & EMC Regulations

CE, FCC Class A, UL, CCC

Accessories

Accessory	Part No.
Infrared Remote (replacement)	117-780

**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

User Guides

Important Information

Important Information

Ultra Short Throw Lens

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