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Specification Sheet

E-Vision Laser WQ120 (Preliminary)

2,400 ANSI / 2,700 ISO Lumens | Contrast Ratio: 2000:1 | Part Number: 119-109

E-VISION LASER WQ120 DIGITAL PROJECTOR

THE VISIONARIES CHOICE



2,400 ANSI / 2,700 ISO Lumens | Contrast Ratio: 2000:1 | Part Number: 119-109

Colour System:

Six segment colour wheel (RGRGB)

Display Type:

1 x 0.64" TRP WQXGA DarkChip 3™ DMD™

DMD Specification:

2560 x 1600 native pixels

Aspect Ratio:

16x10

Fill Factor

87%

Key Features

Video & Graphics Processing

- HDMI 2.0 with HDCP 2.2 (3D formats not supported).
- DisplayPort 1.2 with HDCP 2.2
- Low latency 1.5 frames
- Motion Blur Reduction
- 3G-SDI with loop-through.
- DICOM simulation mode.

Geometry Correction

- Selectable Aspect Ratios
- Digital Zoom, Pan and Scan
- Overscan

HDBaseT® Interface

- Supports 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.
- Incorporates a 10/100 LAN control interface

Colour Processing

- Powerful seven point colour correction for accurate colour matching.
- Colour processing: 30-bits/Pixel

Projector Control 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:

3G-SDI is SMPTE 292M-C, SMPTE 259M and SMPTE 424M compliant.

HDMI including Deep Color™ Processing.

Graphics standards up to 2560x1600 resolution at 120Hz via HDMI or DisplayPort

Inputs/Outputs

Video & Computer			Communication & Control		
Type	Connector	Qty	Type	Connector	Qty
DisplayPort 1.2	DisplayPort	1	LAN (Ethernet)	RJ45	1
HDMI 2.0	HDMI	2	RS-232 Serial In	D-Sub 9-pin Female	1
3G-SDI in	BNC	1	Wired Remote	3.5mm Stereo Jack	1
3G-SDI out	BNC	1	12V Trigger	3.5mm Stereo Jack	2
HDBaseT/LAN	RJ45	1			

3D Formats Supported

N/A

Computer Compatibility

Low latency timings: 1080p@60Hz, 1600x1200@60Hz, 2560x1600@60Hz (≤1.5 frames) and 120Hz

Remote Control

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

Colour Temperature

3200 to 9300K

HDTV Formats Supported

2560x1600 (100Hz, 120Hz) 2K 2048x1080 (24Hz, 25Hz, 30Hz, 50Hz, 60Hz) 1080p (24Hz, 25Hz, 30Hz, 50Hz, 60Hz, 100Hz, 120Hz) 1080i (50Hz, 60Hz) 1035i (60Hz) 720p (50Hz, 60Hz)

Bandwidth

18Gbps via HDMI 2.0
17.28 Gbit/s in High Bit Rate 2 (HBR2) mode

Automation Control

Crestron RoomView® Connected
PJLink Class 1
LAN
RS-232
AMX (Device Discovery)
Served web pages: Projector Status, Control, Network setup, Alert Mail setup, Date/Time setup, Error log, Projector OSD functions

Operation



Illumination Type

Laser Phosphor light source with Constant Brightness Control and Custom Laser power setting (35% - 100%).

Typical illumination Life

20,000 hours

Lenses

Lens	Part No.	Optimised Focus Range*	Lens Shift
0.79 ~ 0.99:1 Zoom	118-679	1.33m - 11.73m	Vert: 0.5 (U) 0.3 (D) frame, Hor: 0.1 (L) 0.2 (R) frame
1.32 ~ 1.89:1 Zoom	118-563	1.02m - 12.7m	Vert: 0.5 (U) 0.3 (D) frame, Hor: 0.1 (L) 0.2 (R) frame
1.82 ~ 2.4:1 Zoom	118-562	1.02m - 12.7m	Vert: 0.5 (U) 0.3 (D) frame, Hor: 0.1 (L) 0.2 (R) frame
2.34 ~ 3.9:1 Zoom	118-680	1.83m - 14.9m	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 Mount

Motorised Shift, Zoom and Focus.
Intelligent Lens Memory with 10 user-definable pre-set positions.

Mechanical Mounting

Front Table Top or Front Ceiling
Rear Table Top or 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 & 200 ~ 240VAC selectable 50/60Hz single phase

Power Consumption

Standby mode: SUPER ECO < 0.5W
Standby mode: ECO < 3 W
Standby mode: with Networking < 6W

Thermal Dissipation

At 240V Normal mode = 2900 BTU/Hour
At 110V Normal mode = 3036 BTU/Hour

Fan Noise

Normal mode (Typical/Max) : 38dB/40dB (A)

Operating/Storage Temperature

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

Operating Humidity

0°C to 40°C (32° to 104°F) @ max 90% Humidity (non-condensing)

Weight (Chassis Only)

22.7 kg
60 lb

Dimensions

L: 59.8 cm W: 50.0 cm H: 21.8 cm
L: 23.5 in W: 19.7 in H: 8.6 in

Safety & EMC Regulations

UL / cUL, CB, CCC, FCC Class A, CE, FDA, CEL
GB 7247.1-2012 / IEC EN 60825-1 2007 Class 3R Laser Product
IEC EN 60825-1 2014 Class 1 Laser Product
IEC EN 62471-5 Risk Group 2

Accessories**Accessory**

Infrared Remote Control

Part No.

118-678

*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

Certificate Number 13629
ISO 9001

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