

## E-Vision Laser 4K-UHD Black

7,000 ANSI / 7,500 ISO Lumens | Contrast Ratio: 10,000:1 (Dynamic Black) 1,000:1 native | Part No:120-608

### E-VISION LASER 4K DIGITAL PROJECTOR

THE VISIONARIES CHOICE



<b>Colour System:</b>	<b>DMD Specification:</b>
Laser Phosphor with colourwheel	Display resolutions 4K-UHD (3840 x 2160) or WQXGA+ (2716 x 1528)
<b>Display Type:</b>	<b>8.3 megapixels on screen at 4K-UHD</b>
1 x 0.67" WQXGA+ TRP UHD DMD™	Fast transit pixels for smooth greyscale and improved contrast.
	<b>Aspect Ratio:</b> 16:9
	<b>Fill Factor</b> Not applicable: Smooth Picture DMD™

## Key Features

### Video & Graphics Processing

- HDR processing
- Two projectors in one - 4K-UHD and WQXGA+.
- DisplayPort 1.2.
- 2 x HDMI 2.0.
- 2 x HDMI 1.4b 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

- Cornerstone, Vertical & Horizontal Keystone, Pincushion & Barrel, Arc and Image Rotation.
- Non-linear warp.
- Digital zoom, pan and scan.
- 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: either picture in picture (PIP), or side by side (PBP), with 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.
- 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	1
HDBaseT (see LAN) (2D)	RJ45	1	12V Trigger	Jack	2
			3D Sync IR Out	3.5mm Stereo	1
				Jack	
				BNC	

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

#### 3D Formats Supported

Frame Sequential  
Dual-Pipe

#### HDTV Formats Supported

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

**2D**  
4K-UHD up to 60Hz.  
WQXGA+ up to 120Hz.

**3D**  
Supported formats will be displayed within WQXGA+.

#### Bandwidth

498 megapixels per second via DisplayPort and HDMI 2.0.

#### Remote Control

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

#### Automation Control

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

3200K to 9300K

#### Operation

24x7 Operation

Lamp Type	Typical Lamp Life
Laser Light Source	20,000 hours

### Lenses

Lens	Part No.	Focus Range	Lens Shift
0.38 :1 fixed	117-341	0.68m - 2.44m	none
0.76 :1 fixed	112-499	0.81m - 5.08m	none
0.74 - 0.93 :1 zoom	115-339	1.02m - 12.7m	Vert: 0.5 (U) 0.3 (D) frame, Hor: 0.1(L) 0.2 (R) frame
1.24 - 1.78 :1 zoom	112-500	1.33m - 11.73m	Vert: 0.5 (U) 0.3 (D) frame, Hor: 0.1(L) 0.2 (R) frame
1.71 - 2.25 :1 zoom	112-501	1.83m - 14.9m	Vert: 0.5 (U) 0.3 (D) frame, Hor: 0.1(L) 0.2 (R) frame
2.20 - 3.67 :1 zoom	112-502	2.36m - 24.2m	Vert: 0.5 (U) 0.3 (D) frame, Hor: 0.1(L) 0.2 (R) frame
3.54 - 5.36 :1 zoom	112-503	3.8m - 35.35m	Vert: 0.5 (U) 0.3 (D) frame, Hor: 0.1(L) 0.2 (R) frame
5.24 - 8.27 :1 zoom	112-504	5.59m - 54.8m	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 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	Orientation
---------------------	-------------

Front/Rear Table	<b>Table Top or Inverted:</b> Yes
Front/Rear Ceiling	<b>Pointing Up:</b> Yes
Adjustable Front/Rear Feet	<b>Pointing Down:</b> Yes
	<b>Roll (Portrait):</b> Yes

Power Requirements	Power Consumption
--------------------	-------------------

100-130VAC and 200-240VAC selectable, 50/60Hz single phase	950 W @220 Vac (1000 W @110 Vac)W
--	-----------------------------------

Thermal Dissipation	Fan Noise
---------------------	-----------

Max 3139 BTU/hour @100 VAC Max 3002 BTU/hour @240 VAC BTU/Hour	<b>Smooth Picture On:</b> <i>Normal mode:</i> typical 40 (max 42) dBA <i>Eco2 mode:</i> typical 37 (max 39) dBA <b>Smooth Picture Off:</b> <i>Normal mode:</i> typical 38 (max 40) dBA <i>Eco2 mode:</i> typical 34 (max 36) dBA
---	---

Operating/Storage Temperature	Operating Humidity
-------------------------------	--------------------

Operating: 5 to 40C (41 to 104F) Storage: -10 to 60C (14 to 140F)	10 to 85% non-condensing
--	--------------------------

Weight (Chassis Only)	Dimensions
-----------------------	------------

28.15 kg 62 lb	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

CE, FCC Class A, CCC, UL/cUL, FDA CB, KC, CEL, CECP

\*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](#)

[Important Information](#)

Specifications subject to change without notice. Digital Projection version: - ©2016 Digital Projection.  
DLP®, Digital Light Processing™ and DMD are trademarks of Texas Instruments, Inc

DIGITAL PROJECTION, INC 55 CHASTAIN ROAD, SUITE 115 KENNESAW, GA. 30144  
T: 770.420.1350 | F: 770.420.1360 | [www.digitalprojection.com](http://www.digitalprojection.com)

DIGITAL PROJECTION, LTD GREENSIDE WAY, MIDDLETON MANCHESTER, UK. M24 1XX  
T: +44.161.947.3300 | F: +44.161.684.7674 | [www.digitalprojection.co.uk](http://www.digitalprojection.co.uk)

**DIGITAL PROJECTION, CHINA** Rm A2006,ShaoYaoJu 101 North lane, Shi AO International Center, Chao Yang District, Beijing, 100029,PR  
CHINA

T: +86.10.58239771 | F: +86 10 58239770

**DIGITAL PROJECTION, ASIA** 16 NEW INDUSTRIAL ROAD, #02-10 HUDSON TECHNOCENTRE SINGAPORE 536204

T: +65.6284.1138 | F: +65.6284.1238