

E-Vision Laser 4K-UHD Black HC (Preliminary)

4,200 ANSI / 4,700 ISO Lumens | Contrast Ratio: 18,000:1 (Dynamic Black) 2,000:1 native | Part No:118-151

E-VISION LASER 4K DIGITAL PROJECTOR



THE VISIONARIES CHOICE

Colour System:

Laser Phosphor with colourwheel

DMD Specification:

Display resolutions 4K-UHD (3840 x 2160)
or WQXGA+ (2716 x 1528)

Display Type:

1 x 0.67" WQXGA+ TRP UHD DMD™

8.3 megapixels on screen at 4K-UHD

Fast transit pixels for smooth greyscale and improved contrast.

Aspect Ratio:

16:9

Fill Factor

Not applicable: Smooth Picture DMD™

Key Features

Video & Graphics 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	Bandwidth
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2D 4K-UHD up to 60Hz. WQXGA+ up to 120Hz.	498 megapixels per second via DisplayPort and HDMI 2.0.
3D Supported formats will be displayed within WQXGA+.	

Remote Control	Automation Control
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Addressable IR remote control, wireless and wired. On-Board keypad	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)
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Colour Temperature

3200K to 9300K

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

Lens	Part No.	Focus Range	Lens Shift
0.74 - 0.93 :1 zoom	118-679	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	118-563	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	118-562	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	118-680	2.36m - 24.2m	Vert: 0.5 (U) 0.3 (D) frame, Hor: 0.1(L) 0.2 (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	Orientation
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Front/Rear Table Front/Rear Ceiling Adjustable Front/Rear Feet	Table Top or Inverted: Yes Pointing Up: Yes Pointing Down: Yes Roll (Portrait): Yes
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Power Requirements	Power Consumption
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100-130VAC and 200-240VAC selectable, 50/60Hz single phase	950 W @220 Vac (1000 W @110 Vac)W
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Thermal Dissipation	Fan Noise
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Max 3139 BTU/hour @100 VAC Max 3002 BTU/hour @240 VAC BTU/Hour	Smooth Picture On: Normal mode: typical 40 (max 42) dBA Eco2 mode: typical 37 (max 39) dBA Smooth Picture Off: Normal mode: typical 38 (max 40) dBA Eco2 mode: typical 34 (max 36) dBA
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Operating/Storage Temperature	Operating Humidity
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Operating: 5 to 40C (41 to 104F) Storage: -10 to 60C (14 to 140F)	10 to 85% non-condensing
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Weight (Chassis Only)	Dimensions
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28.15 kg 62 lb	L: 58.0 cm W: 50.0 cm H: 21.1 cm L: 22.8 in W: 19.7 in H: 8.3 in
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Safety & EMC Regulations

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

Accessories

Accessory	Part No.
Infrared Remote (replacement)	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

[PDF CAD Drawings](#)

[AUTOCAD Drawings](#)

[User Guides](#)

[User Guides German](#)

[User Guides French](#)

[Important Information](#)



Certificate Number 13629
ISO 9001

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