E-Vision Laser 4K-UHD Black HC

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:	DMD Specification:
Laser Phosphor with colourwheel	Display resolutions 4K-UHD (3840 x 2160) or WQXGA+ (2716 x 1528)

Display Type:	8.3 megapixels on screen at 4K-UHD
1 x 0.67" WQXGA+ TRP UHD DMD™	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 Jack	1
			NOTE: One of the LAN ports is shared with HDBase-T.	BNC	

3D Formats Supported	HDTV Formats Supported
Frame Sequential Dual-Pipe	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
2D 4K-UHD up to 60Hz. WQXGA+ up to 120Hz. **3D** Supported formats will be displayed within WQXGA+.	498 megapixels per second via DisplayPort and HDMI 2.0.

Remote Control	Automation Control
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)

Colour Temperature
3200K to 9300K

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

Lenses

Lens	Part No.	Optimised 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		
Front/Rear Table Front/Rear Ceiling Adjustable Front/Rear Feet	**Table Top or Inverted:** Yes **Pointing Up:** Yes **Pointing Down:** Yes **Roll (Portrait):** 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	**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

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: 58.0 cm W: 50.0 cm H: 21.1 cm L: 22.8 in W: 19.7 in H: 8.3 in

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](#)	[User Guides](#)
[AUTOCAD Drawings](#)	[User Guides German](#)
	[User Guides French](#)
	[Important Information](#)

Certificate Number 13629
ISO 9001

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