

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:

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

- 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 | 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 | 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 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 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: <i>Normal mode:</i> typical 40 (max 42) dBA <i>Eco2 mode:</i> typical 37 (max 39) dBA Smooth Picture Off: <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 |

| Accessories | | |
|---|------------------|-----------------|
| <table border="0"> <tr> <td style="width: 50%;">Accessory</td> <td style="width: 50%;">Part No.</td> </tr> </table> | Accessory | Part No. |
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**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

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Certificate Number 13629
ISO 9001

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