

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

7,000 ANSI / 7,500 ISO Lumens | Contrast Ratio: 10,000:1 (Dynamic Black) 1,000:1 native | Part No:118-150

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 | 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

| 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 |
| 0.75 - 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 |
| 1.25 - 1.79 :1 zoom | 112-500 | 1.33m - 11.73m | Vert: 0.5 (U) 0.3 (D) frame, Hor: 0.1(L) 0.2 (R) frame |
| 1.72 - 2.27 :1 zoom | 112-501 | 1.83m - 14.9m | Vert: 0.5 (U) 0.3 (D) frame, Hor: 0.1(L) 0.2 (R) frame |
| 2.22 - 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 |
| 3.58 - 5.38 :1 zoom | 112-503 | 3.8m - 35.35m | Vert: 0.5 (U) 0.3 (D) frame, Hor: 0.1(L) 0.2 (R) frame |
| 5.31 - 8.26 :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 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 | Table Top or Inverted: Yes |
| Front/Rear Ceiling | Pointing Up: Yes |
| Adjustable Front/Rear Feet | 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 | 40 dBA TBD |
| Max 3002 BTU/hour @240 VAC BTU/Hour | |

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

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

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

| | |
|----------|----------------------------------|
| 28.15 kg | L: 58.0 cm W: 50.0 cm H: 21.1 cm |
| 62 lb | 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, EAC, 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](#)

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