### E-Vision Laser 10K

9,500 ANSI / 10,500 ISO Lumens | Contrast Ratio: 10,000:1 (Dynamic Black) 1,000:1 native | Part No:119-028

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**E-VISION LASER 10K**  
**DIGITAL PROJECTOR**

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**THE VISIONARIES CHOICE**

**Colour System:**  
Laser Phosphor + 4-segment (RGBW) colour wheel for high brightness

**DMD Specification:**  
1920 x 1200 pixels native.  
Fast transit pixels for smooth greyscale and improved contrast.

**Display Type:**  
1 x 0.67" DarkChip™ DMD™

**Aspect Ratio:**  
16x10

**Fill Factor**  
87%

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### Key Features
Video & Graphics Processing
- HDMI 1.4b for Side by Side, Frame Packing, Frame Sequential & Top Bottom 3D formats.
- Dual Flash Processing can be used to multiply the displayed frame rate for 3D sources.
- Dual Pipe Processing: Two sources in parallel for Left and Right eyes.
- Synchronisation of active glasses.
- 3GSDI with loop-through.
- 24p and 1080p native display.
- DICOM simulation mode.

Geometry Correction
- Cornerstone, Vertical & Horizontal Keystone, Pincushion & Barrel, and Image Rotation.
- Blanking control for custom input window sizing.
- Scaling for fixed aspect ratio screens.

Edge Blending
- For independent edge and blend width adjustment.

Picture in Picture
- Two sources can be displayed either one within the other (PIP), or side by side, with original aspect ratios maintained.

HDBaseT® Interface
- Built in support for reception of uncompressed High Definition Video over standard CAT5e/6 LAN cable.
- Allows the projector to be placed up to 100m from the source with low cost cabling.

Colour Processing
- Powerful seven point colour correction for accurate colour matching.

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.

Projector Maintenance Features
- Sealed optics.
- Long life 20,000 hour illumination.

Source Compatibility:
3GSDI is SMPTE 292M, SMPTE 259M-C and SMPTE 424M compliant.
HDMI including Deep Color™ processing.
Graphics standards up to 1920 x 1200 resolution at 60Hz via HDMI, DisplayPort or VGA.
Component Video (SD and HD) via RGBHV.

Inputs/Outputs

<table>
<thead>
<tr>
<th>Video &amp; Computer</th>
<th>Type</th>
<th>Connector</th>
<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>DVI-D 1.0</td>
<td>DVI</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>DisplaysPort 1.1a</td>
<td>DisplayPort</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>HDMI 1.4b</td>
<td>HDMI</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>3G-SDI in</td>
<td>BNC</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>3G-SDI out</td>
<td>BNC</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>VGA / Analog RGB</td>
<td>15-pin D-Sub</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>VGA Monitor out</td>
<td>15-pin D-Sub</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Component Video</td>
<td>5 x BNC</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>HDBaseT (see LAN)</td>
<td>LAN RJ45</td>
<td>1</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Communication &amp; Control</th>
<th>Type</th>
<th>Connector</th>
<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>3D Sync Out</td>
<td>BNC</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>3D Sync In</td>
<td>BNC</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>LAN</td>
<td>RJ45</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>RS232</td>
<td>9-pin D-Sub</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Wired Remote</td>
<td>3.5mm Stereo Jack</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>12V Trigger</td>
<td>3.5mm Stereo Jack</td>
<td>2</td>
<td></td>
</tr>
</tbody>
</table>

NOTE: The LAN port is shared with HDBase-T.

3D Formats Supported
- Frame Packing
- Dual Pipe
- Frame Sequential
- Side By Side (half)
- Top and Bottom

HDTV Formats Supported
- 1080p (24Hz, 25Hz, 30Hz, 50Hz, 60Hz), 1080i (50Hz, 60Hz), 720p (50, 60Hz)

Computer Compatibility
- Up to 1920 x 1200

Bandwidth
- 165 MHz on analog RGB
- 165 Megapixels per second on HDMI
## Remote Control
Addressable IR remote control, wireless and wired.
On-Board keypad.

## Automation Control
- Crestron RoomView® Connected
- PJLink Class 1
- LAN
- RS-232
- AMX (Device Discovery)
- Served web page

## Colour Temperature
3200 to 9300K

## Lamp Type
Laser Light Source

## Typical Lamp Life
20,000 hours

## Lenses

<table>
<thead>
<tr>
<th>Lens</th>
<th>Part No.</th>
<th>Focus Range</th>
<th>Lens Shift</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.38 : 1 fixed</td>
<td>117-341</td>
<td>0.68m - 2.44m</td>
<td>none</td>
</tr>
<tr>
<td>0.76 : 1 fixed</td>
<td>112-499</td>
<td>0.81m - 5.08m</td>
<td>none</td>
</tr>
<tr>
<td>0.75 - 0.93 : 1 zoom</td>
<td>115-339</td>
<td>1.02m - 12.7m</td>
<td>Vert: 0.5 (U) 0.3 (D) frame, Hor: 0.1(L) 0.2 (R) frame</td>
</tr>
<tr>
<td>1.25 - 1.79 : 1 zoom</td>
<td>112-500</td>
<td>1.33m - 11.73m</td>
<td>Vert: 0.5 (U) 0.3 (D) frame, Hor: 0.1(L) 0.2 (R) frame</td>
</tr>
<tr>
<td>1.73 - 2.27 : 1 zoom</td>
<td>112-501</td>
<td>1.83m - 14.9m</td>
<td>Vert: 0.5 (U) 0.3 (D) frame, Hor: 0.1(L) 0.2 (R) frame</td>
</tr>
<tr>
<td>2.22 - 3.67 : 1 zoom</td>
<td>112-502</td>
<td>2.36m - 24.2m</td>
<td>Vert: 0.5 (U) 0.3 (D) frame, Hor: 0.1(L) 0.2 (R) frame</td>
</tr>
<tr>
<td>3.58 - 5.38 : 1 zoom</td>
<td>112-503</td>
<td>3.8m - 35.35m</td>
<td>Vert: 0.5 (U) 0.3 (D) frame, Hor: 0.1(L) 0.2 (R) frame</td>
</tr>
<tr>
<td>5.31 - 8.28 : 1 zoom</td>
<td>112-504</td>
<td>5.59m - 54.8m</td>
<td>Vert: 0.5 (U) 0.3 (D) frame, Hor: 0.1(L) 0.2 (R) frame</td>
</tr>
</tbody>
</table>

## Lens Mount
Motorised and programmable shift, zoom and focus.
Intelligent Lens Memory with 10 user-definable preset positions (except UST lens).

## Mechanical Mounting
- Front/Rear Table
- Front/Rear Ceiling
- Adjustable Front/Rear Feet

## Orientation
- **Table Top or Inverted:** Yes
- **Pointing Up:** Yes
- **Pointing Down:** Yes
- **Roll (Portrait):** Yes

## Power Requirements
100-240VAC 50/60Hz single phase

## Power Consumption
- Typical 1215W @ 240VAC in Normal mode
- Typical 960W @ 240VAC in ECO mode
- Typical 1270W @ 110VAC in Normal mode
- Typical 1000W @ 110VAC in ECO mode

## Thermal Dissipation
- Typical 4146 BTU/Hour @ 240VAC in Normal mode
- Typical 3276 BTU/Hour @ 240VAC in ECO mode
- Typical 4334 BTU/Hour @ 110VAC in Normal mode
- Typical 3412 BTU/Hour @ 110VAC in ECO mode

## Fan Noise
- Normal mode: 42 dBA Typical
- Eco mode: 39 dBA Typical

## Operating/Storage Temperature
- Operating: 0 to 40C (32 to 104F)
- Operating: 40 to 45C (104 to 113F) w/ reduced light output
- Storage: -20 to 60C (-4 to 140F)

## Operating Humidity
- 10 to 90% relative, non-condensing

## Weight (Chassis Only)
- 28 kg
- 62 lb

## Dimensions
- 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
- CB, CE, FCC Class 1, UL/cUL, CCC, RoHS 2
- IEC EN 60825-1 Class 3R Laser Product,
- IEC EN 62471-5 Risk Group 2

*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