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## E-VISION 15000i 4K+



THE VISIONARIES CHOICE

## E-Vision 15000i 4K+ (Preliminary)

**15,000 ISO / 13,500 ANSI Lumens | Contrast Ratio: 20,000:1 (Dynamic Black) | Part Number: 124-361**

### Key Specifications:

|                           |  |
|---------------------------|--|
| <b>Colour System:</b>     | Laser Phosphor with Colorboost (Red Laser).<br>Phosphor wheel: 2 x 7200rpm (120Hz)<br>Colour wheel: 8 Segment RGBYRGBY 2 x 7200rpm (120Hz)   |
| <b>Display Type:</b>      | 1 x 0.8" HEP DMD™ (High Efficiency Pixel)  |
| <b>DMD Specification:</b> | 1920 x 1200 pixels native display. (3840 x 2400 via 4-way pixel shift technology)<br>Fast transit pixels for smooth greyscale and improved contrast.   |
| <b>Aspect Ratio:</b>      | 16x10  |
| <b>Fill Factor</b>        | 87%  |
| <b>Key Features:</b>      | <b>Video &amp; Graphics Processing</b> <ul style="list-style-type: none"><li>• Nexus electronics platform</li><li>• HDMI 2.0</li><li>• DisplayPort 1.2</li><li>• 10-bit colour processing (30-bits per pixel) 1,073,741,824 colours</li><li>• Hue, Saturation and Gain colour management.</li><li>• 24p and 1080p native display.</li><li>• HDR support</li><li>• Input source automatically detected</li><li>• Selectable Dynamic Black</li><li>• DICOM simulation mode</li></ul> |

- Optics engine sealed to IP6X

**Geometry Correction**

- Vertical & Horizontal Keystone correction
- Four Corner adjustment
- Rotation -100 to +100 with +/- 0.25° per step
- Selectable aspect ratios: 5:4 / 4:3 / 16:10 / 16:9 / 1.88 / 2.35 / TheaterScope / Source / Unscaled
- Digital Zoom 0% ~ 100%
- Blanking control for custom input window sizing.
- Scaling for fixed aspect ratio screens. 16:10 / 16:9 / 4:3 / 2.35:1
- Custom warp

**Edge Blending**

- Correction for non-active pixels at the edge of the display.

**HDBaseT® Interface**

- Built in support for transmission 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.
- HDBaseT® Includes Ethernet 100BaseT and RS232/IR control.

**Colour Processing**

- Powerful seven point colour correction for accurate colour matching.

**Projector LAN Control**

- Free Digital Projection Projector Controller II software
- Intuitive user interface for network control.
- At-a-glance monitoring of projector status.
- Simultaneous control of user-defined groups of projectors.

**Source Compatibility**

12G-SDI, Supports a high data transfer rate of up to 12 gigabits per second (Gbps), enabling the transmission of uncompressed 4K UHD (Ultra High Definition) video signals with a single connector


Graphics standards up to WUXGA 1920 x 1200 - 120Hz RB, Up to WQXGA 2560 x 1600 60Hz RB (DisplayPort)

Video standards including HDTV 1080p - 60Hz and 4K-UHD (3840 x 2160) 60Hz

Support for up colour gamut up to P3

**Inputs/Outputs**

| Video & Computer           |             |     |
|----------------------------|-------------|-----|
| Type                       | Connector   | Qty |
| HDMI 2.0 (HDCP compatible) | HDMI        | 2   |
| DisplayPort 1.2            | DisplayPort | 2   |
| HDBaseT                    | 8P8C "RJ45" | 1   |
| 12G-SDI in                 | BNC         | 1   |
| 3G-SDI out                 | BNC         | 1   |

|                                    | Communication & Control   |                                     |   |      |          |                        |                    |                                    |         |     |   |                     |         |               |   |                     |         |                                     |   |                     |         |               |   |                    |         |                                     |   |
|------------------------------------|---|-------------------------------------|---|------|----------|------------------------|--------------------|------------------------------------|---------|-----|---|---------------------|---------|---------------|---|---------------------|---------|-------------------------------------|---|---------------------|---------|---------------|---|--------------------|---------|-------------------------------------|---|
|                                    | Type  | Connector                           | Qty   |      |          |                        |                    |                                    |         |     |   |                     |         |               |   |                     |         |                                     |   |                     |         |               |   |                    |         |                                     |   |
|                                    | LAN / Art-Net   | EtherCON RJ45                       | 1   |      |          |                        |                    |                                    |         |     |   |                     |         |               |   |                     |         |                                     |   |                     |         |               |   |                    |         |                                     |   |
|                                    | HDBaseT/Ethernet/RS232/IR   | RJ45                                | 1   |      |          |                        |                    |                                    |         |     |   |                     |         |               |   |                     |         |                                     |   |                     |         |               |   |                    |         |                                     |   |
|                                    | Serial In RS-232C   | 9-pin D-Sub                         | 1   |      |          |                        |                    |                                    |         |     |   |                     |         |               |   |                     |         |                                     |   |                     |         |               |   |                    |         |                                     |   |
|                                    | Serial Out RS-232C  | 9-pin D-Sub                         | 1   |      |          |                        |                    |                                    |         |     |   |                     |         |               |   |                     |         |                                     |   |                     |         |               |   |                    |         |                                     |   |
|                                    | Wired Remote In   | 3.5mm Stereo Jack                   | 1   |      |          |                        |                    |                                    |         |     |   |                     |         |               |   |                     |         |                                     |   |                     |         |               |   |                    |         |                                     |   |
|                                    | Wired Remote Out  | 3.5mm Stereo Jack                   | 1   |      |          |                        |                    |                                    |         |     |   |                     |         |               |   |                     |         |                                     |   |                     |         |               |   |                    |         |                                     |   |
|                                    | 12V Trigger   | 3.5mm Stereo Jack                   | 1   |      |          |                        |                    |                                    |         |     |   |                     |         |               |   |                     |         |                                     |   |                     |         |               |   |                    |         |                                     |   |
|                                    | USB Power out 5V/2A   | USB Type A                          | 1   |      |          |                        |                    |                                    |         |     |   |                     |         |               |   |                     |         |                                     |   |                     |         |               |   |                    |         |                                     |   |
| <b>3D Formats Supported</b>        | N/A   |                                     |   |      |          |                        |                    |                                    |         |     |   |                     |         |               |   |                     |         |                                     |   |                     |         |               |   |                    |         |                                     |   |
| <b>HDTV Formats Supported</b>      | EDTV (480p, 576p), HDTV (720p, 1080i, 1080p), 4K-UHD (3840 x 2160), DCI 4K (4096 x 2160)  |                                     |   |      |          |                        |                    |                                    |         |     |   |                     |         |               |   |                     |         |                                     |   |                     |         |               |   |                    |         |                                     |   |
| <b>Computer Compatibility</b>      | VGA, SVGA, XGA, SXGA, SXGA+, UXGA, WUXGA, WQXGA   |                                     |   |      |          |                        |                    |                                    |         |     |   |                     |         |               |   |                     |         |                                     |   |                     |         |               |   |                    |         |                                     |   |
| <b>Bandwidth</b>                   |   |                                     |   |      |          |                        |                    |                                    |         |     |   |                     |         |               |   |                     |         |                                     |   |                     |         |               |   |                    |         |                                     |   |
| <b>Remote Control</b>              | Infrared/Wired Remote Control Unit  |                                     |   |      |          |                        |                    |                                    |         |     |   |                     |         |               |   |                     |         |                                     |   |                     |         |               |   |                    |         |                                     |   |
| <b>Automation Control</b>          | LAN - Webpage control<br>TCP/UDP control<br>RS-232<br>Alert Mail for Projector<br>LAN Control-Crestron® Connected<br>LAN Control-PJ Link Class 1 compatible<br>LAN Control-AMX® Device Discovery<br>Art-Net (DMX) control   |                                     |   |      |          |                        |                    |                                    |         |     |   |                     |         |               |   |                     |         |                                     |   |                     |         |               |   |                    |         |                                     |   |
| <b>Colour Temperature</b>          | User selectable (3200K/ 5400K / 6500K / 7500K / 9300K / Native )  |                                     |   |      |          |                        |                    |                                    |         |     |   |                     |         |               |   |                     |         |                                     |   |                     |         |               |   |                    |         |                                     |   |
| <b>Operation</b>                   |    |                                     |   |      |          |                        |                    |                                    |         |     |   |                     |         |               |   |                     |         |                                     |   |                     |         |               |   |                    |         |                                     |   |
| <b>illumination Type</b>           | Laser Phosphor. ECO mode support (80% Brightness)   |                                     |   |      |          |                        |                    |                                    |         |     |   |                     |         |               |   |                     |         |                                     |   |                     |         |               |   |                    |         |                                     |   |
| <b>Typical illumination Life</b>   | 20,000 hours  |                                     |   |      |          |                        |                    |                                    |         |     |   |                     |         |               |   |                     |         |                                     |   |                     |         |               |   |                    |         |                                     |   |
| <b>Lenses</b>                      | <table border="1"> <thead> <tr> <th>Lens</th> <th>Part No.</th> <th>Optimised Focus Range*</th> <th>Lens Shift (Frame)</th> </tr> </thead> <tbody> <tr> <td>0.31 - 0.33 :1 UST zoom (90° Type)</td> <td>124-318</td> <td>TBD</td> <td>Vert: 0.5 (U) 0.5 (D) frame, Hor: None (L) None (R) frame</td> </tr> <tr> <td>0.55 - 0.75 :1 zoom</td> <td>124-319</td> <td>2.03m - 7.62m</td> <td>Vert: 0.5 (U) 0.5 (D) frame, Hor: 0.15 (L) 0.15 (R) frame</td> </tr> <tr> <td>0.74 - 1.08 :1 zoom</td> <td>124-320</td> <td>1.52m - 10.16m (mech 1.27m - 12.7m)</td> <td>Vert: 0.5 (U) 0.5 (D) frame, Hor: 0.15 (L) 0.15 (R) frame</td> </tr> <tr> <td>1.05 - 1.41 :1 zoom</td> <td>124-321</td> <td>1.52m - 12.7m</td> <td>Vert: 0.6 (U) 0.6 (D) frame, Hor: 0.2 (L) 0.2 (R) frame</td> </tr> <tr> <td>1.4 - 2.11 :1 zoom</td> <td>124-322</td> <td>1.52m - 12.7m (mech 1.27m - 15.24m)</td> <td>Vert: 0.6 (U) 0.6 (D) frame, Hor: 0.2 (L)</td> </tr> </tbody> </table> |                                     |   | Lens | Part No. | Optimised Focus Range* | Lens Shift (Frame) | 0.31 - 0.33 :1 UST zoom (90° Type) | 124-318 | TBD | Vert: 0.5 (U) 0.5 (D) frame, Hor: None (L) None (R) frame | 0.55 - 0.75 :1 zoom | 124-319 | 2.03m - 7.62m | Vert: 0.5 (U) 0.5 (D) frame, Hor: 0.15 (L) 0.15 (R) frame | 0.74 - 1.08 :1 zoom | 124-320 | 1.52m - 10.16m (mech 1.27m - 12.7m) | Vert: 0.5 (U) 0.5 (D) frame, Hor: 0.15 (L) 0.15 (R) frame | 1.05 - 1.41 :1 zoom | 124-321 | 1.52m - 12.7m | Vert: 0.6 (U) 0.6 (D) frame, Hor: 0.2 (L) 0.2 (R) frame | 1.4 - 2.11 :1 zoom | 124-322 | 1.52m - 12.7m (mech 1.27m - 15.24m) | Vert: 0.6 (U) 0.6 (D) frame, Hor: 0.2 (L) |
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|  |  |         | 0.2 (R) frame  |           |          |  |  |
|--|--|---------|--|-----------|----------|--|--|
|  | 2.1 - 4.0 :1 zoom  | 124-323 | 1.52m - 12.7m<br>Vert: 0.6 (U) 0.6 (D) frame, Hor: 0.2 (L) 0.2 (R) frame |           |          |  |  |
|  | 3.0 - 4.52 :1 zoom   | 112-503 | TBD<br>Vert: 0.45 (U) 0.45 (D) frame, Hor: 0.2 (L) 0.2 (R) frame         |           |          |  |  |
|  | 4.46 - 6.94 :1 zoom  | 112-504 | TBD<br>Vert: 0.45 (U) 0.45 (D) frame, Hor: 0.2 (L) 0.2 (R) frame         |           |          |  |  |
|  | <p>* 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%,</p>                       |         |  |           |          |  |  |
| <b>Lens Mount</b>  | Centred lens for installation flexibility<br>Motorised and programmable shift, zoom and focus.<br>Intelligent Lens Memory with 10 user-definable preset positions (except UST lens).   |         |  |           |          |  |  |
| <b>Mechanical Mounting</b>   | Front/Rear Table<br>Front/Rear Ceiling<br>Adjustable Front/Rear Feet<br>Ceiling Mount compatible chassis with 6 off M4*0.7 mounting holes available, Maximum screw length 16mm   |         |  |           |          |  |  |
| <b>Orientation</b>   | <b>Table Top or Inverted:</b> Yes<br><b>Pointing Up:</b> Yes<br><b>Pointing Down:</b> Yes<br><b>Roll (Portrait):</b> Yes   |         |  |           |          |  |  |
| <b>Power Requirements</b>  | 100-240VAC 50/60Hz single phase  |         |  |           |          |  |  |
| <b>Power Consumption</b>   | 990W (max)   |         |  |           |          |  |  |
| <b>Thermal Dissipation</b>   | TBD  |         |  |           |          |  |  |
| <b>Fan Noise</b>   | Normal mode: 40 dBA typical<br>Eco Mode: Max 39 dBA  |         |  |           |          |  |  |
| <b>Operating/Storage Temperature:</b>  | Operating: 0 to 40 °C (32 to 104 °F)<br>Force ECO over 35°C (95°F)   |         |  |           |          |  |  |
| <b>Operating Humidity</b>  | 90% (with maximum temperature of 35°C (95°F))  |         |  |           |          |  |  |
| <b>Weight</b>  | 29.4 kg / 64.8 lbs   |         |  |           |          |  |  |
| <b>Dimensions</b>  | L: 598mm x W: 500mm x H:218mm<br>L: 23.54 inch x W: 19.68 inch x H: 8.58 inch  |         |  |           |          |  |  |
| <b>Safety &amp; EMC Regulations</b>  | TBD  |         |  |           |          |  |  |
| <b>Accessories</b>   | <table border="1"> <thead> <tr> <th>Accessory</th> <th>Part No.</th> </tr> </thead> <tbody> <tr> <td colspan="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.</td> </tr> </tbody> </table> |         |  | Accessory | Part No. | *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. |  |
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| <b>Downloads</b>   |  |         |  |           |          |  |  |
| <b>User Guide</b>  |  |         |  |           |          |  |  |



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# DIGITAL PROJECTION

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