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## E-VISION 10000i 4K+ RGB



THE VISIONARIES CHOICE



## E-Vision 10000i 4K+ RGB (Preliminary)

**10,000 ISO / 9,000 ANSI Lumens | Contrast Ratio: 10,000:1 (Dynamic Black) | Part Number: 124-360**

### Key Specifications:

|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Colour System:</b>     | Direct RGB Laser (no phosphor or color wheels)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <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>      | <p><b>RGB illumination</b></p> <ul style="list-style-type: none"><li>The new E-Vision 10000i 4K+ RGB - an RGB illuminated 1-Chip projector. The single-chip E-Vision eliminates the artifacts and color separation commonly associated with projectors utilising a conventional colour wheel, while achieving 4K+ resolution</li></ul> <p><b>Video &amp; Graphics Processing</b></p> <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></ul> |

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                  |  |  |      |           |     |                            |      |   |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|--|--|------|-----------|-----|----------------------------|------|---|
|                            | <ul style="list-style-type: none"><li>• HDR support</li><li>• Input source automatically detected</li><li>• Selectable Dynamic Black</li><li>• DICOM simulation mode</li><li>• Optics engine sealed to IP6X</li></ul> <p><b>Geometry Correction</b></p> <ul style="list-style-type: none"><li>• Vertical &amp; Horizontal Keystone correction</li><li>• Four Corner adjustment</li><li>• Rotation -100 to +100 with +/- 0.25° per step</li><li>• Selectable aspect ratios: 5:4 / 4:3 / 16:10 /16:9 / 1.88 / 2.35 / TheaterScope / Source / Unscaled</li><li>• Digital Zoom 0% ~ 100%</li><li>• Blanking control for custom input window sizing.</li><li>• Scaling for fixed aspect ratio screens.16:10 / 16:9 / 4:3 / 2.35:1</li><li>• Custom warp</li></ul> <p><b>Edge Blending</b></p> <ul style="list-style-type: none"><li>• Correction for non-active pixels at the edge of the display.</li></ul> <p><b>HDBaseT® Interface</b></p> <ul style="list-style-type: none"><li>• Built in support for transmission of uncompressed High Definition Video over standard CAT5e/6 LAN cable.</li><li>• Allows the projector to be placed up to 100m from the source with low cost cabling.</li><li>• HDBaseT® Includes Ethernet 100BaseT and RS232/IR control.</li></ul> <p><b>Colour Processing</b></p> <ul style="list-style-type: none"><li>• Powerful seven point colour correction for accurate colour matching.</li></ul> <p><b>Projector LAN Control</b></p> <ul style="list-style-type: none"><li>• Free Digital Projection Projector Controller II software</li><li>• Intuitive user interface for network control.</li><li>• At-a-glance monitoring of projector status.</li><li>• Simultaneous control of user-defined groups of projectors.</li></ul> |                  |  |  |      |           |     |                            |      |   |
| Source Compatibility       | <p>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</p> <p>Graphics standards up to WUXGA 1920 x 1200 - 120Hz RB, Up to WQXGA 2560 x 1600 60Hz RB (DisplayPort)</p> <p>Video standards including HDTV 1080p - 60Hz and 4K-UHD (3840 x 2160) 60Hz</p> <p>Support for up colour gamut up to P3</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                  |  |  |      |           |     |                            |      |   |
| Inputs/Outputs             | <table><tr><td colspan="3">Video &amp; Computer</td></tr><tr><td>Type</td><td>Connector</td><td>Qty</td></tr><tr><td>HDMI 2.0 (HDCP compatible)</td><td>HDMI</td><td>2</td></tr></table>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Video & Computer |  |  | Type | Connector | Qty | HDMI 2.0 (HDCP compatible) | HDMI | 2 |
| 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                                                       |      |          |                        |                    |                                    |         |     |                                                           |                     |         |               |                       |
|                                    | 3D Sync In                                                                                                                                                                                                                                                                                                                                                                  | BNC                    | 1                                                         |      |          |                        |                    |                                    |         |     |                                                           |                     |         |               |                       |
|                                    | 3D Sync Out (loop through)                                                                                                                                                                                                                                                                                                                                                  | BNC                    | 1                                                         |      |          |                        |                    |                                    |         |     |                                                           |                     |         |               |                       |
|                                    | 3D Sync Out for IR                                                                                                                                                                                                                                                                                                                                                          | BNC                    | 1                                                         |      |          |                        |                    |                                    |         |     |                                                           |                     |         |               |                       |
|                                    | 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 12V 350mA              | 3.5mm Stereo Jack                                                                                                                                                                                                                                                                                                                                                           | 1                      |                                                           |      |          |                        |                    |                                    |         |     |                                                           |                     |         |               |                       |
| USB Power out 5V/2A                | USB Type A                                                                                                                                                                                                                                                                                                                                                                  | 1                      |                                                           |      |          |                        |                    |                                    |         |     |                                                           |                     |         |               |                       |
| <b>3D Formats Supported</b>        | Off<br>Auto<br>Side by Side<br>Top and Bottom<br>Dual Pipe<br>Frame Sequential                                                                                                                                                                                                                                                                                              |                        |                                                           |      |          |                        |                    |                                    |         |     |                                                           |                     |         |               |                       |
| <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>           | RGB Laser                                                                                                                                                                                                                                                                                                                                                                   |                        |                                                           |      |          |                        |                    |                                    |         |     |                                                           |                     |         |               |                       |
| <b>Typical illumination Life</b>   | 20,000 hours                                                                                                                                                                                                                                                                                                                                                                |                        |                                                           |      |          |                        |                    |                                    |         |     |                                                           |                     |         |               |                       |
| <b>Lenses</b>                      | <table><tr><th>Lens</th><th>Part No.</th><th>Optimised Focus Range*</th><th>Lens Shift (Frame)</th></tr><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)</td></tr></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) |
| 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)<br>0.15 (R) frame                          |
|                                       | 0.74 - 1.08 :1 zoom                                                                                                                                                                                                                                                                 | 124-320 | 1.52m - 10.16m<br>(mech 1.27m - 12.7m) | Vert: 0.5 (U) 0.5 (D)<br>frame, Hor: 0.15 (L)<br>0.15 (R) frame |
|                                       | 1.05 - 1.41 :1 zoom                                                                                                                                                                                                                                                                 | 124-321 | 1.52m - 12.7m                          | Vert: 0.6 (U) 0.6 (D)<br>frame, Hor: 0.2 (L)<br>0.2 (R) frame   |
|                                       | 1.4 - 2.11 :1 zoom                                                                                                                                                                                                                                                                  | 124-322 | 1.52m - 12.7m (mech<br>1.27m - 15.24m) | Vert: 0.6 (U) 0.6 (D)<br>frame, Hor: 0.2 (L)<br>0.2 (R) frame   |
|                                       | 2.1 - 4.0 :1 zoom                                                                                                                                                                                                                                                                   | 124-323 | 1.52m - 12.7m                          | Vert: 0.6 (U) 0.6 (D)<br>frame, Hor: 0.2 (L)<br>0.2 (R) frame   |
|                                       | 3.0 - 4.52 :1 zoom                                                                                                                                                                                                                                                                  | 112-503 | TBD                                    | Vert: 0.45 (U) 0.45<br>(D) frame, Hor: 0.2<br>(L) 0.2 (R) frame |
|                                       | 4.46 - 6.94 :1 zoom                                                                                                                                                                                                                                                                 | 112-504 | TBD                                    | Vert: 0.45 (U) 0.45<br>(D) frame, Hor: 0.2<br>(L) 0.2 (R) frame |
|                                       | * Lens focal ranges above are the optimised distances but are likely to focus further, please<br>contact your RSM for more details. Lens ratio tolerances: E-Vision Series: +/-3%. HighLite Series:<br>+/- 5%. M-Vision Series: +/- 2%. Titan Series: +/-2%, INSIGHT Series: +/-2%, |         |                                        |                                                                 |
| <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<br>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>              | 800W                                                                                                                                                                                                                                                                                |         |                                        |                                                                 |
| <b>Thermal Dissipation</b>            | TBD                                                                                                                                                                                                                                                                                 |         |                                        |                                                                 |
| <b>Fan Noise</b>                      | Normal mode: 36 dBA typical Silence Mode: Max 33 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>                    |                                                                                                                                                                                                                                                                                     |         |                                        |                                                                 |

|            |                                                                                                                                                                     |          |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
|            | Accessory                                                                                                                                                           | Part No. |
|            | <i>*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.</i> |          |
| Downloads  |                                                                                                                                                                     |          |
| User Guide |                                                                                                                                                                     |          |



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