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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:

Colour System:	Direct RGB Laser (no phosphor or color wheels)
Display Type:	1 x 0.8" HEP DMD™ (High Efficency Pixel)
DMD Specification:	1920 x 1200 pixels native display. (3840 x 2400 via 4-way pixel shift technology) Fast transit pixels for smooth greyscale and improved contrast.
Aspect Ratio:	16x10
Fill Factor	87%
Key Features:	<p>RGB illumination</p> <ul style="list-style-type: none">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 <p>Video & Graphics Processing</p> <ul style="list-style-type: none">Nexus electronics platformHDMI 2.0DisplayPort 1.210-bit colour processing (30-bits per pixel) 1,073,741,824 coloursHue, Saturation and Gain colour management.24p and 1080p native display.

- HDR support
- Input source automatically detected
- Selectable Dynamic Black
- DICOM simulation mode
- 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	<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 colour gamuts up to P3</p>
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Inputs/Outputs	<p>Video & Computer</p> <table border="1" data-bbox="414 2023 1505 2160"> <thead> <tr> <th data-bbox="414 2023 775 2084">Type</th><th data-bbox="775 2023 1146 2084">Connector</th><th data-bbox="1146 2023 1505 2084">Qty</th></tr> </thead> <tbody> <tr> <td data-bbox="414 2084 775 2160">HDMI 2.0b</td><td data-bbox="775 2084 1146 2160">HDMI</td><td data-bbox="1146 2084 1505 2160">x 2</td></tr> </tbody> </table>			Type	Connector	Qty	HDMI 2.0b	HDMI	x 2
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HDMI 2.0b	HDMI	x 2							

Display Port 1.2	DisplayPort	x 2													
12G SDI IN	BNC	x 1													
12G SDI OUT	BNC	x 1													
HDBaseT	8P8C "RJ45"	x 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													
3D Formats Supported	Off Auto Side by Side Top and Bottom Dual Pipe Frame Sequential														
HDTV Formats Supported	EDTV (480p, 576p), HDTV (720p, 1080i, 1080p), 4K-UHD (3840 x 2160), DCI 4K (4096 x 2160)														
Computer Compatibility	VGA, SVGA, XGA, SXGA, SXGA+, UXGA, WUXGA, WQXGA														
Bandwidth															
Remote Control	Infrared/Wired Remote Control Unit														
Automation Control	LAN - Webpage control TCP/UDP control RS-232 Alert Mail for Projector LAN Control-Crestron® Connected LAN Control-PJ Link Class 1 compatible LAN Control-AMX® Device Discovery Art-Net (DMX) control														
Colour Temperature	User selectable (3200K/ 5400K / 6500K / 7500K / 9300K / Native)														
Operation															
illumination Type	RGB Laser														
Typical illumination Life	20,000 hours														
Lenses	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 5px;">Lens</th> <th style="text-align: left; padding: 5px;">Part No.</th> <th style="text-align: left; padding: 5px;">Optimised Focus Range*</th> <th style="text-align: left; padding: 5px;">Lens Shift (Frame)</th> </tr> </thead> <tbody> <tr> <td style="padding: 5px;">0.31 - 0.33:1 zoom</td><td style="padding: 5px;">124-318</td><td style="padding: 5px;">0.38 - 3.01m</td><td style="padding: 5px;">Vert: +/- 50% Hor: +/- 20%</td></tr> <tr> <td style="padding: 5px;">0.55 - 0.75:1 zoom</td><td style="padding: 5px;">124-319</td><td style="padding: 5px;">0.69 - 6.58m</td><td style="padding: 5px;">Vert: +/- 50% Hor: +/- 20%</td></tr> </tbody> </table>			Lens	Part No.	Optimised Focus Range*	Lens Shift (Frame)	0.31 - 0.33:1 zoom	124-318	0.38 - 3.01m	Vert: +/- 50% Hor: +/- 20%	0.55 - 0.75:1 zoom	124-319	0.69 - 6.58m	Vert: +/- 50% Hor: +/- 20%
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0.74 - 1.08:1 zoom	124-320	0.75 - 12.19m	Vert: +/- 50% Hor: +/- 20%
1.05 - 1.41:1 zoom	124-321	1.06 - 18.94m	Vert: +/- 60% Hor: +/- 20%
1.4 - 2.11:1 zoom	124-322	1.47 - 27.86m	Vert: +/- 60% Hor: +/- 20%
2.1 - 4.0:1 zoom	124-323	2.24 - 54.19m	Vert: +/- 60% Hor: +/- 20%
3.0 - 4.52:1 zoom	112-503	2.53 - 47.2m	Vert: +/- 45% Hor: +/- 10%
4.46-6.94:1 zoom	112-504	3.71 - 76.7m	Vert: +/- 45% Hor: +/- 10%

* 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	Centred lens for installation flexibility 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 Ceiling Mount compatible chassis with 6 off M4*0.7 mounting holes available, Maximum screw length 16mm				
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	800W				
Thermal Dissipation	TBD				
Fan Noise	Normal mode: 36 dBA typical Silence Mode: Max 33 dBA				
Operating/Storage Temperature:	Operating: 0 to 40 °C (32 to 104 °F) Force ECO over 35°C (95°F)				
Operating Humidity	90% (with maximum temperature of 35°C (95°F))				
Weight	29.4 kg / 64.8 lbs				
Dimensions	L: 598mm x W: 500mm x H:218mm L: 23.54 inch x W: 19.68 inch x H: 8.58 inch				
Safety & EMC Regulations	TBD				
Accessories	<table border="1"> <tr> <td>Accessory</td> <td>Part No.</td> </tr> </table> <p><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></p>			Accessory	Part No.
Accessory	Part No.				
Downloads					
User Guide					



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