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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 Efficiency 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:	RGB illumination - 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 Video & Graphics Processing - Nexus electronics platform - HDMI 2.0 - DisplayPort 1.2 10-bit colour processing (30-bits per pixel) 1,073,741,824 colours - Hue, 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	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 colour gamuts up to P3									
Inputs/Outputs	<table><tr><td colspan="3">Video & Computer</td></tr><tr><td>Type</td><td>Connector</td><td>Qty</td></tr><tr><td>HDMI 2.0b</td><td>HDMI</td><td>x 2</td></tr></table>	Video & Computer			Type	Connector	Qty	HDMI 2.0b	HDMI	x 2
Video & Computer										
Type	Connector	Qty								
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><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 zoom</td><td>124-318</td><td>0.38 - 3.01m</td><td>Vert: +/- 50% Hor: +/- 20%</td></tr><tr><td>0.55 - 0.75:1 zoom</td><td>124-319</td><td>0.69 - 6.58m</td><td>Vert: +/- 50% Hor: +/- 20%</td></tr></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	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.			
Downloads				
User Guide				



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