



E-Vision 12000i 4K+ (Preliminary)

12,000 ISO / 10,800 ANSI Lumens | Contrast Ratio: 20,000:1 (Dynamic Black) | Part Number: 124-459

Key Specifications:

Colour System:	Laser Phosphor with Colorboost (Red Laser). Phosphor wheel: 2 x 7200rpm (120Hz) Colour wheel: 8 Segment RGBYRGBY 2 x 7200rpm (120Hz)
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:	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><th colspan="3">Video & Computer</th></tr><tr><th>Type</th><th>Connector</th><th>Qty</th></tr><tr><td>HDMI 2.0b</td><td>HDMI</td><td>x 2</td></tr><tr><td>Display Port 1.2</td><td>DisplayPort</td><td>x 2</td></tr><tr><td>12G SDI IN</td><td>BNC</td><td>x 1</td></tr><tr><td>12G SDI OUT</td><td>BNC</td><td>x 1</td></tr><tr><td>HDBaseT</td><td>8P8C "RJ45"</td><td>x 1</td></tr></table> . <table><tr><th colspan="3">Communication & Control</th></tr><tr><th>Type</th><th>Connector</th><th>Qty</th></tr><tr><td>3D Sync In</td><td>BNC</td><td>1</td></tr><tr><td>3D Sync Out (loop through)</td><td>BNC</td><td>1</td></tr><tr><td>3D Sync Out for IR</td><td>BNC</td><td>1</td></tr><tr><td>LAN / Art-Net</td><td>EtherCON RJ45</td><td>1</td></tr><tr><td>HDBaseT/Ethernet/RS232/IR</td><td>RJ45</td><td>1</td></tr><tr><td>Serial In RS-232C</td><td>9-pin D-Sub</td><td>1</td></tr></table>	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
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	Serial Out RS-232C Wired Remote In Wired Remote Out 12V Trigger 12V 350mA USB Power out 5V/2A	9-pin D-Sub 3.5mm Stereo Jack 3.5mm Stereo Jack 3.5mm Stereo Jack USB Type A	1 1 1 1 1																																					
3D Formats Supported																																								
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	Laser Phosphor. ECO mode support (80% Brightness)																																							
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><tr><td>0.74 - 1.08:1 zoom</td><td>124-320</td><td>0.75 - 12.19m</td><td>Vert: +/- 50% Hor: +/- 20%</td></tr><tr><td>1.05 - 1.41:1 zoom</td><td>124-321</td><td>1.06 - 18.94m</td><td>Vert: +/- 60% Hor: +/- 20%</td></tr><tr><td>1.4 - 2.11:1 zoom</td><td>124-322</td><td>1.47 - 27.86m</td><td>Vert: +/- 60% Hor: +/- 20%</td></tr><tr><td>2.1 - 4.0:1 zoom</td><td>124-323</td><td>2.24 - 54.19m</td><td>Vert: +/- 60% Hor: +/- 20%</td></tr><tr><td>3.0 - 4.52:1 zoom</td><td>112-503</td><td>2.53 - 47.2m</td><td>Vert: +/- 45% Hor: +/- 10%</td></tr><tr><td>4.46-6.94:1 zoom</td><td>112-504</td><td>3.71 - 76.7m</td><td>Vert: +/- 45% Hor: +/- 10%</td></tr></table> * 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	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%	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%
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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	990W (max)			
Thermal Dissipation	TBD			
Fan Noise	Normal mode: 40 dBA typical Eco Mode: Max 39 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><tr><td>Accessory</td><td>Part No.</td></tr></table>		Accessory	Part No.
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<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	PDF CAD Drawings AUTOCAD Drawings STEP / IGS Drawings			
User Guide				



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