



E-Vision 12000i 4K+

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:	<p>Video & Graphics Processing</p> <ul style="list-style-type: none">• Nexus electronics platform• Support 3840 x 2160 display resolution• 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 <p>Geometry Correction</p> <ul style="list-style-type: none">• 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+ (3840 x 2400) 60Hz

Support for colour gamuts up to P3

Inputs/Outputs

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

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3D Formats Supported																																					
HDTV Formats Supported	EDTV (480p, 576p), HDTV (720p, 1080i, 1080p), 4K+ (3840 x 2160), DCI 4K (4096 x 2400)																																				
Computer Compatibility	VGA, SVGA, XGA, SXGA, SXGA+, UXGA, WUXGA, WQXGA																																				
Bandwidth																																					
Remote Control	Infrared/Wired Remote Control Unit																																				
Automation Control	<p>LAN - Webpage control</p> <p>TCP/UDP control</p> <p>RS-232</p> <p>Alert Mail for Projector</p> <p>LAN Control-Crestron® Connected</p> <p>LAN Control-PJ Link Class 1 compatible</p> <p>LAN Control-AMX® Device Discovery</p> <p>Art-Net (DMX) control</p>																																				
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																																				
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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))				
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				
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Downloads	PDF CAD Drawings AUTOCAD Drawings STEP / IGS Drawings				
User Guide					



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