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E-Vision 12000i 4K+ (Preliminary)



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



TECHNICAL CONFIGURATION

Brightness:	12,000 ISO / 10,800 ANSI
Contrast:	20,000:1 (Dynamic Black)
Colour System:	Laser Phosphor with Colorboost (Red Laser). Phosphor wheel: 2 x 7200rpm (120Hz) Colour wheel: 8 Segment RGBYRGBY 2 x 7200rpm (120Hz)
Computer Compatability:	VGA, SVGA, XGA, SXGA, SXGA+, UXGA, WUXGA, WQXGA
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
Dimensions:	L: 598mm x W: 500mm x H:218mm L: 23.54 inch x W: 19.68 inch x H: 8.58 inch
Lamp Type:	Laser Phosphor. ECO mode support (80% Brightness)
Typical Lamp Life:	20,000 hours
Colour Temperature:	User selectable (3200K / 5400K / 6500K / 7500K / 9300K / Native)
HDTV Formats:	EDTV (480p, 576p), HDTV (720p, 1080i, 1080p), 4K-UHD (3840 x 2160), DCI 4K (4096 x 2160)
Remote Control:	Infrared/Wired Remote Control Unit

Automation Control:	<p>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</p>
Temperature:	<p>Operating: 0 to 40 °C (32 to 104 °F) Force ECO over 35°C (95°F)</p>
Operating Humidity:	<p>90% (with maximum temperature of 35°C (95°F))</p>
Fan Noise:	<p>Normal mode: 40 dBA typical Eco Mode: Max 39 dBA</p>
Power Requirements:	<p>100-240VAC 50/60Hz single phase</p>
Power Consumption:	<p>990W (max)</p>
Thermal Dissipation:	<p>TBD</p>
Safety:	<p>TBD</p>
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 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</p>
Video Processing:	<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.

Display Type:	1 x 0.8" HEP DMD™ (High Efficiency Pixel)
Orientation:	Pointing Up: Yes Pointing Down: Yes Roll Portrait: Yes Tabletop Inverted: Yes
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).
Weight:	kg: 29.4 lb: 64.8
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:	WUXGA
Fill Factor:	87%

Inputs / Outputs

Input	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 and Control

Connection	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

Available Lenses

Lens Name	Part #	Focus Range	Lens Shift
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%

Lens Name	Part #	Focus Range	Lens Shift
4.46-6.94:1 zoom	112-504	3.71 - 76.7m	Hor: +/- 10% Vert: +/- 45% Hor: +/- 10%

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