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E-VISION 24000i WU

THE VISIONARIES CHOICE



E-Vision 24000i WU (Preliminary)

23,750 ISO / 21,000 ANSI Lumens | Contrast Ratio: 20,000:1 (Dynamic Black) | Part Number: 124-359

Key Specifications:

Colour System:	Laser Phosphor with Colorboost (Red Laser). Phosphor wheel: 2 x 7200rpm (120Hz) Colour wheel: 4 Segment RGBY 2 x 7200rpm (120Hz)
Display Type:	1 x 0.8" HEP DMD™ (High Efficiency Pixel)
DMD Specification:	1920 x 1200 pixels native display. Fast transit pixels for smooth greyscale and improved contrast.
Aspect Ratio:	16x10
Fill Factor	
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 • Synchronisation of active glasses or polarising switcher.

- 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

Graphics standards up to WQXGA 2560 x 1600 60 Hz RB (DisplayPort).

Display Support for 3840 x 2160 (4K-UHD) up to 60Hz and 4096 x 2160 (4K) up to 60Hz.

Inputs/Outputs

Video & Computer		
Type	Connector	Qty
HDMI 2.0 (HDCP compatible)	HDMI	2
DisplayPort 1.2	DisplayPort	2
HDBaseT	8P8C "RJ45"	1
3G-SDI in	BNC	1
3G-SDI out	BNC	1
Communication & Control		
Type	Connector	Qty
3D Sync In	BNC	1
3D Sync Out (loop through)	BNC	1

	3D Sync Out for IR LAN / Art-Net HDBaseT/Ethernet/RS232/IR Serial In RS-232C Serial Out RS-232C Wired Remote In Wired Remote Out 12V Trigger 12V 350mA USB Power out 5V/2A	BNC EtherCON RJ45 RJ45 9-pin D-Sub 9-pin D-Sub 3.5mm Stereo Jack 3.5mm Stereo Jack 3.5mm Stereo Jack USB Type A	1 1 1 1 1 1 1 1 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), Display Support for 3840 x 2160 (4K-UHD) up to 60Hz and 4096 x 2160 (4K) up to 60Hz																														
Computer Compatibility	VGA, SVGA, XGA, SXGA, SXGA+, UXGA, WUXGA up to 60hz RB, Mac																														
Bandwidth																															
Remote Control	Infrared 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%</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%	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%
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	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	110-240 VAC 11.0A 50/60Hz			
Power Consumption	At 110VAC - typical 1100 W, max 1200 W in Normal mode At 110VAC - typical 900 W, max 1000 W in High Altitude mode At 220VAC - typical 1300 W, max 1400 W in Normal mode At 220VAC - typical 900 W, max 1000 W in Eco mode At 220VAC - typical 900 W, max 1000 W in High Altitude mode <0.5W in Super ECO mode, <3W in ECO mode, <25W in Normal mode			
Thermal Dissipation	At 110 VAC: typical 3576 BTU/hr, max 4097 BTU/hr in Normal mode At 110 VAC: typical 3073 BTU/hr, max 3415 BTU/hr in High Altitude mode At 220 VAC: typical 4438 BTU/hr, max 4780 BTU/hr in Normal mode At 220 VAC: typical 3073 BTU/hr, max 3415 BTU/hr in ECO mode At 220 VAC: typical 3073 BTU/hr, max 3415 BTU/hr in High Altitude mode			
Fan Noise	Typical 44dB, max 46dB in Normal mode / typical 39dB, max 41dB in ECO mode			
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	30kg (without lens) kg / 66.1lb (without lens) 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	cTUVus, CB report, CCC (China), CECP (China Energy Conservation Program), China RoHS, FCC part 15 Class A, FDA 21 CFR part 1040 (Except with respect to those characteristics authorised by Variance Number 2021-V-0192, CE (European Economic Area), UKCA (United Kingdom), KC (Korea), BSMI (Taiwan), RCM (Australia), IEC 60825-1 : 2014 - Class 1 Laser Product, IEC EN 62471-5:2015 - Risk Group 2< br/> This projector may become Risk Group 3 when an interchangeable lens with a throw ratio of greater than 2.12:1 is installed Such combinations of projector and lens are intended for professional use only and are not intended for consumer use.			
Accessories				

	Accessory	Part No.
	<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		
User Guide		



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