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E-Vision 16000i WU

Brightness: 16,000 ISO / 14,500 ANSI | Contrast: 20,000:1 (Dynamic Black) | Part Number: 123-522

TECHNICAL CONFIGURATION

Display Type:	1 × 0.8" HEP DMD™ (High Efficency Pixel)
Display resolution:	1920 × 1200
DMD Specification:	1920 × 1200 pixels native display Fast transit pixels for smooth greyscale and improved contrast
Aspect Ratio:	16:10
Colour System:	Laser Phosphor with ColorBoost (Red Laser). Phosphor wheel: 2 × 7200 rpm (120 Hz) Colour wheel: 4-segment RGBY 2 × 7200 rpm (120 Hz)
Colour Temperature:	User selectable (3200 K / 5400 K / 6500 K / 7500 K / 9300 K / Native)
Illumination type:	Laser Phosphor
Illumination life:	20,000 hours to 50% of initial brightness
Video Processing:	**Video & Graphics Processing** • Nexus electronics platform • Supports input resolution up to 3840 × 2160 • HDMI 2.0 (HDCP 2.2) • DisplayPort 1.2 • 10-bit colour processing (30 bits per pixel) • Hue, Saturation and Gain colour management. • 24p and 1080p native display. • HDR support

	• Input source automatically detected • Selectable Dynamic Black • DICOM simulation mode **Geometry Correction** • Vertical & Horizontal Keystone correction • Four Corner adjustment • Rotation ±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 100 m from the source with low-cost cabling. • HDBaseT® includes Ethernet 100BaseT and RS-232/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.
Key features:	• HEP DMD™ • NEXUS Electronics Platform • IP6X Dust-proofing • Source Redundancy • Flexible Geometry Adjustments • Art-Net Support • Intelligent Lens Memory • MultiAxis Orientation • Constant Brightness • Built-in Edge Blending with black level correction • 24/7 Operation • ColorBoost+Red Laser
Source Compatibility:	3G-SDI is SMPTE 292M, SMPTE 259M-C and SMPTE 424M compliant. Graphics standards up to WQXGA 2560 × 1600 60Hz RB (DisplayPort) Video standards up to HDTV 1080p - 60Hz, with support for 4K-UHD (3840 × 2160) 60Hz Display Support for 3840 × 2160 (4K-UHD) up to 60Hz and 4096 × 2160 (4K) up to 60Hz
HDTV Formats:	SDTV (480i, 576i), EDTV (480p, 576p), HDTV (720p, 1080i, 1080p), NTSC (M, 3.58/4.43 MHz), PAL (B,D,G,H,I,M,N), SECAM (B,D,G,K,K1,L) Display Support for 2K 2048 x 1080

	up to 60Hz and 4K-UHD 3840 x 2160 up to 60Hz
Computer Compatibility:	VGA, SVGA, XGA, SXGA, SXGA+, UXGA, WUXGA up to 120Hz RB
3D Compatibility:	Frame Packing Dual Pipe Frame Sequential Side By Side (half) Top and Bottom
Lens included:	No
Lens Control:	Motorised and programmable lens shift, zoom and focus. Intelligent Lens Memory with 10 user-definable preset positions (not available with the UST lens).
Mechanical Mounting:	Front/Rear Tabletop Front/Rear Ceiling Mount compatible chassis with six M4 × 0.7 mounting holes, max. screw length 16 mm
Orientation:	Pointing Up: Yes Pointing Down: Yes Roll Portrait: Yes Tabletop Inverted: Yes
Dimensions:	L×W×H: 598 mm × 500 mm × 218 mm L×W×H: 23.54 in × 19.68 in × 8.58 in
Weight:	29.4 kg (64.8 lb)
Remote Control:	Infrared/Wired Remote Control Unit
Automation Control:	Web-based LAN control TCP/UDP control RS-232 Email alerts LAN Control - Crestron® Connected LAN Control - PJLink Class 1 compatible LAN Control - AMX® Device Discovery Art-Net (DMX) control
Power Requirements:	100-240 VAC, 11.04 A, 50/60 Hz, single phase
Power Consumption:	At 110 VAC - Typical 900 W, Max 950 W in Normal mode At 110 VAC - Typical 725 W, Max 750 W in Eco mode At 110 VAC - Typical 700 W, Max 800 W in High-altitude mode At 220 VAC - Typical 860 W, Max 900 W in Normal mode At 220 VAC - Typical 665 W, Max 700 W in Eco mode At 220 VAC - Typical 680 W, Max 780 W in High-altitude mode
Standby power:	Super ECO mode: < 0.5W ECO mode: < 3W Normal mode: < 25W
Thermal Dissipation:	At 110 VAC - Typical 3072 BTU/h, Max 3242 BTU/h in Normal mode At 110 VAC - Typical 2474 BTU/h, Max 2560 BTU/h in Eco mode At 110 VAC - Typical 2389 BTU/h, Max 2730 BTU/h in High-altitude mode

	At 220 VAC - Typical 2935 BTU/h, Max 3072 BTU/h in Normal mode At 220 VAC - Typical 2270 BTU/h, Max 2389 BTU/h in Eco mode At 220 VAC - Typical 2321 BTU/h, Max 2662 BTU/h in High-altitude mode
Fan Noise:	Normal mode: 39 dBA typical Eco mode: 36 dBA typical
Temperature:	Operating: 0 to 40 °C (32 to 104 °F) Force ECO over 35 °C (95 °F)
Storage temperature:	-20 to 60 °C (-4 to 140 °F)
Operating Humidity:	10-90% (with maximum temperature of 35 °C (95 °F); non-condensing)
Safety:	cTUVus, CB report, CCC (China), Energy Conservation Certification (China), Ecolabeling (China), China RoHS, FCC Part 15 Class A, 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 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. Complies with 21 CFR Part 1040.10 and 1040.11 except for conformance as a Risk Group 2 LIP as defined in IEC 62471-5:2015 (See Laser Notice No. 57, dated May 2019). RG2 This projector employing RG2 lens complies with FDA performance standards for laser products except for conformance as a Risk Group 2 LIP as defined in IEC 62471-5: Ed. 1.0 (See Laser Notice No. 57, dated May 8, 2019). RG3 This projector employing RG3 lens complies with performance standards for laser product 21 CFR Part 1040 except with respect to those characteristics authorized by Variance Number FDA-2024-V-0726 effective March 08, 2024.
Product URL:	https://www.axiondisplays.com/brands/digital-projection/projectors/e-vision/e-vision-16000i-wu/

Inputs / Outputs

Input	Connector	Qty
HDMI 2.0	HDMI	2
DisplayPort 1.2	DisplayPort	2
HDBaseT	8P8C RJ45	1
3G-SDI IN	BNC	1
3G-SDI OUT	BNC	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

Connection	Connector	Qty
LAN / Art-Net	EtherCON RJ45	1
HDBaseT/Ethernet/RS-232/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 output 5V/2A	USB Type A	1

Available Lenses

Lens Name	Part #	Focus Range	V-Shift	H-Shift
Lens E-Vision 0.31 - 0.33:1	124-318	0.38 - 3.01 m	50% (up); 50% (down)	2.5% (left); 2.5% (right)
Lens E-Vision 0.55 - 0.75:1	124-319	0.69 - 6.58 m	50% (up); 50% (down)	15% (left); 15% (right)
Lens E-Vision 0.74 - 1.08:1	124-320	0.75 - 12.19 m	50% (up); 50% (down)	15% (left); 15% (right)
Lens E-Vision 1.05 - 1.41:1	124-321	1.06 - 18.94 m	60% (up); 60% (down)	20% (left); 20% (right)
Lens E-Vision 1.40 - 2.11:1	124-322	1.47 - 27.86 m	60% (up); 60% (down)	20% (left); 20% (right)
Lens E-Vision 2.10 - 4.00:1	124-323	2.24 - 54.19 m	60% (up); 60% (down)	20% (left); 20% (right)
Lens E-Vision 3.91 - 7.07:1	124-446	4.30 - 95.05 m	60% (up); 60% (down)	20% (left); 20% (right)