Generated: 22/11/2026 17:25

E-Vision 12000i 4K+

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 × 7200 rpm (120 Hz) Colour wheel: 8-segment RGBYRGBY 2 × 7200 rpm (120 Hz)
Computer Compatability:	VGA, SVGA, XGA, SXGA, SXGA+, UXGA, WUXGA, WQXGA
Mechanical Mounting:	Front/Rear Tabletop Front/Rear Ceiling Mount compatible chassis with six M4 × 0.7 mounting holes, max. screw length 16 mm
Dimensions:	L×W×H: 598 mm × 500 mm × 218 mm L×W×H: 23.54 in × 19.68 in × 8.58 in
Lamp Type:	Laser Phosphor
Typical Lamp Life:	20,000 hours to 50% of initial brightness
Colour Temperature:	User selectable (3200 K / 5400 K / 6500 K / 7500 K / 9300 K / Native)
HDTV Formats:	EDTV (480p, 576p), HDTV (720p, 1080i, 1080p), 4K-UHD (3840 × 2160), DCI 4K (4096 × 2160)
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
Temperature:	Operating: 0 to 40 °C (32 to 104 °F) Force ECO over 35 °C (95 °F)
Operating Humidity:	10-90% (with maximum temperature of 35 °C (95 °F); non-condensing)
Fan Noise:	Normal mode: 36 dBA typical Eco mode: 35 dBA typical
Power Requirements:	100-240 VAC, 11.04 A, 50/60 Hz, single phase
Power Consumption:	At 110 VAC - Typical 720 W, Max 770 W in Normal mode At 110 VAC - Typical 650 W, Max 680 W in Eco mode At 110 VAC - Typical 590 W, Max 640 W in High-altitude mode At 220 VAC - Typical 690 W, Max 720 W in Normal mode At 220 VAC - Typical 630 W, Max 650 W in Eco mode At 220 VAC - Typical 580 W, Max 630 W in High-altitude mode
Thermal Dissipation:	At 110 VAC - Typical 2457 BTU/h, Max 2628 BTU/h in Normal mode At 110 VAC - Typical 2218 BTU/h, Max 2321 BTU/h in Eco mode At 110 VAC - Typical 2014 BTU/h, Max 2184 BTU/h in High-altitude mode At 220 VAC - Typical 2355 BTU/h, Max 2457 BTU/h in Normal mode At 220 VAC - Typical 2150 BTU/h, Max 2218 BTU/h in Eco mode At 220 VAC - Typical 1980 BTU/h, Max 2150 BTU/h in High-altitude mode
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-12000i-4k/
Lens included:	No
Standby power:	Super ECO mode: < 0.5W

	ECO mode: < 3W Normal mode: < 25W
Storage temperature:	-20 to 60 °C (-4 to 140 °F)
Display resolution:	3840 × 2400
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
3D Compatibility:	Side by Side Top and Bottom Dual Pipe Frame Sequential
Source Compatibility:	12G-SDI supports a high data transfer rate of up to 12 Gb/s, enabling the transmission of uncompressed 4K-UHD video signals with a single connector Graphics standards up to WUXGA 1920 × 1200 at 120Hz RB, Up to WQXGA 2560 × 1600 at 60Hz RB (DisplayPort) Video standards including HDTV 1080p at 60Hz and 4K-UHD (3840 × 2160) at 60Hz Supports colour gamuts up to P3
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.
Display Type:	1 × 0.8" HEP DMD™ (High Efficiency Pixel)
Orientation:	Pointing Up: Yes Pointing Down: Yes Roll Portrait: Yes Tabletop Inverted: Yes
Lens Mount:	Motorised and programmable lens shift, zoom and focus. Intelligent Lens Memory with 10 user-definable preset positions (not available with the UST lens).
Weight:	29.4 kg (64.8 lb)
DMD Specification:	1920 × 1200 pixels native display (3840 × 2400 via 4-way pixel shift technology) Fast transit pixels for smooth greyscale and improved contrast.
Aspect Ratio:	16:10
Fill Factor:	87%

Inputs / Outputs

Input	Connector	Qty
HDMI 2.0b	HDMI	2
DisplayPort 1.2	DisplayPort	2
12G-SDI IN	BNC	1
12G-SDI OUT	BNC	1
HDBaseT	8P8C RJ45	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/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)

CONTACT US FOR A QUOTE
Email: sales@axiondisplays.com | Phone: +49 172 5390360
Web: www.axiondisplays.com | Address: Axion Displays GmbH, Kammweg 80/1, 72762 Reutlingen, Germany

Specifications are subject to change without notice. All values are typical. Actual product appearance, colors, and features may vary.