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# E-Vision 24000i WU (Vorläufig)

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



## TECHNICAL CONFIGURATION

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| **Prodname:** | E-Vision 24000i WU (Vorläufig) |
| **Brightness:** | 23,750 ISO / 21,000 ANSI |
| **Contrast:** | 20.000:1 (Dynamic Black) |
| **Colour System:** | Laser Phosphor with ColorBoost (Red Laser).<br>Phosphor wheel: 2 × 7200 rpm (120 Hz)<br>Colour wheel: 4-segment RGBY 2 × 7200 rpm (120 Hz) |
| **Computer Compatability:** | VGA, SVGA, XGA, SXGA, SXGA+, UXGA, WUXGA, WQXGA |
| **Mechanical Mounting:** | Front/Rear Tabletop<br>Front/Rear Ceiling<br>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<br>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), Display Support for 3840 x 2160 (4K-UHD) up to 60Hz and 4096 x 2160 (4K) up to 60Hz |
| **Remote Control:** | Infrared Remote Control Unit |
| **Automation Control:** | Web-based LAN control |

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| | TCP/UDP control<br>RS-232<br>Email alerts<br>LAN Control - Crestron® Connected<br>LAN Control - PJLink Class 1 compatible<br>LAN Control - AMX® Device Discovery<br>Art-Net (DMX) control |
| **Temperature:** | Operating: 0 to 40 °C (32 to 104 °F)<br>Force ECO over 33 °C (91.4 °F) |
| **Operating Humidity:** | 10-90% (with maximum temperature of 35 °C (95 °F); non-condensing) |
| **Fan Noise:** | Normal mode: 44 dBA typical<br>Eco mode: 39 dBA typical |
| **Power Requirements:** | 110-240 VAC, 11.04 A, 50/60 Hz, single phase |
| **Power Consumption:** | At 110 VAC - Typical 1100 W, Max 1200 W in Normal mode<br>At 110 VAC - Typical 900 W, Max 1000 W in Eco mode<br>At 110 VAC - Typical 900 W, Max 1000 W in High-altitude mode<br>At 220 VAC - Typical 1300 W, Max 1400 W in Normal mode<br>At 220 VAC - Typical 900 W, Max 1000 W in Eco mode<br>At 220 VAC - Typical 900 W, Max 1000 W in High-altitude mode |
| **Thermal Dissipation:** | At 110 VAC - Typical 3576 BTU/h, Max 4097 BTU/h in Normal mode<br>At 110 VAC - Typical 3073 BTU/h, Max 3415 BTU/h in Eco mode<br>At 110 VAC - Typical 3071 BTU/h, Max 3412 BTU/h in High-altitude mode<br>At 220 VAC - Typical 4438 BTU/h, Max 4780 BTU/h in Normal mode<br>At 220 VAC - Typical 3073 BTU/h, Max 3415 BTU/h in Eco mode<br>At 220 VAC - Typical 3073 BTU/h, Max 3415 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<br>This projector may become Risk Group 3 when an interchangeable lens with a throw ratio of greater than 1.94:1 is installed.<br>Such combinations of projector and lens are intended for professional use only and are not intended for consumer use.<br>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).<br>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).<br>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. |
| **Lens included:** | No |
| **Standby power:** | Super ECO mode: < 0.5W<br>ECO mode: < 3W |

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| | Normal mode: < 25W |
| **Storage temperature:** | -20 to 60 °C (-4 to 140 °F) |
| **Display resolution:** | 1920 × 1200 |
| **Key features:** | • HEP DMD™<br>• NEXUS Electronics Platform<br>• IP6X Dust-proofing<br>• Source Redundancy<br>• Flexible Geometry Adjustments<br>• Art-Net Support<br>• Intelligent Lens Memory<br>• MultiAxis Orientation<br>• Constant Brightness<br>• Built-in Edge Blending with black level correction<br>• 24/7 Operation<br>• ColorBoost+Red Laser |
| **Source Compatibility:** | Graphics standards up to WQXGA 2560 × 1600 60Hz RB (DisplayPort).<br>Display Support for 3840 × 2160 (4K-UHD) up to 60Hz and 4096 × 2160 (4K) up to 60Hz. |
| **Video Processing:** | **Video & Graphics Processing**<br>• Nexus electronics platform<br>• Supports input resolution up to 3840 × 2160<br>• HDMI 2.0 (HDCP 2.2)<br>• DisplayPort 1.2<br>• 10-bit colour processing (30 bits per pixel)<br>• Hue, Saturation and Gain colour management.<br>• 24p and 1080p native display.<br>• HDR support<br>• Input source automatically detected<br>• Selectable Dynamic Black<br>• DICOM simulation mode<br>**Geometry Correction**<br>• Vertical & Horizontal Keystone correction<br>• Four Corner adjustment<br>• Rotation ±100 with ±0.25° per step<br>• Selectable aspect ratios: 5:4 / 4:3 / 16:10 / 16:9 / 1.88 / 2.35 / TheaterScope / Source / Unscaled<br>• Digital Zoom 0% - 100%<br>• Blanking control for custom input window sizing.<br>• Scaling for fixed aspect ratio screens 16:10 / 16:9 / 4:3 / 2.35:1<br>• Custom warp<br>**Edge Blending**<br>• Correction for non-active pixels at the edge of the display.<br>**HDBaseT® Interface**<br>• Built-in support for transmission of uncompressed High Definition Video over standard CAT5e/6 LAN cable.<br>• Allows the projector to be placed up to 100 m from the source with low-cost cabling. |

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| | • HDBaseT® includes Ethernet 100BaseT and RS-232/IR control.<br>**Colour Processing**<br>• Powerful seven-point colour correction for accurate colour matching.<br>**Projector LAN Control**<br>• Free Digital Projection Projector Controller II software<br>• Intuitive user interface for network control.<br>• At-a-glance monitoring of projector status.<br>• Simultaneous control of user-defined groups of projectors. |
| **Display Type:** | 1 × 0.8" HEP DMD™ (High Efficency Pixel) |
| **Orientation:** | Pointing Up: Ja<br>Pointing Down: Ja<br>Roll Portrait: Ja<br>Tabletop Inverted: Ja |
| **Lens Mount:** | Motorised and programmable lens shift, zoom and focus.<br>Intelligent Lens Memory with 10 user-definable preset positions (not available with the UST lens). |
| **Weight:** | 30 kg (66.1 lb) |
| **DMD Specification:** | 1920 × 1200 pixels native display.<br>Fast transit pixels for smooth greyscale and improved contrast. |
| **Aspect Ratio:** | 16:10 |

## 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 |
| 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 |

| Connection | Connector | Qty |
|---|---|---|
| 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) |

## DOWNLOADS & RESOURCES

**User Manual**

Open Link