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M-Vision 30000 WU

Brightness: 30,000 ISO / 26,700 ANSI | Contrast: 3,000,000:1 (Dynamic Black) | Part Number: 124-299

TECHNICAL CONFIGURATION

Display Type:	1 × 0.96" DarkChip 3™ DMD™
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)
Colour Temperature:	User selectable (3200 K / 5400 K / 6500 K / 7500 K / 9300 K / Native)
Illumination type:	MCL Blue and Red Laser Light Source
Illumination life:	20,000 hours to 50% of initial brightness
Video Processing:	**ColorBoost+Red Laser** • Uses red laser diodes for increased colour fidelity and highly accurate colours **Video & Graphics Processing** • HDMI 2.0 (HDCP 2.2) • DisplayPort 1.2 • 10-bit colour processing (30 bits per pixel). • Support for 1080p 24Hz native display. • Support for 4K 4096 × 2160 resolution. • HDR support • Input source automatically detected. • Input redundancy mode with auto switching.

	• 3D Formats: Side by Side, Frame Packing, Frame Sequential and TopBottom. • Dual Pipe Processing: Two sources in parallel for Left and Right eyes. • Syncronisation of active 3D glasses or polarising switcher. • DICOM simulation mode. **Geometry Correction** • Vertical & Horizontal Keystone correction. • Four Corner adjustment. • Rotation. • Pin/Barrel. • Wall Corner adjustment. • Centre Shift (Horizontal and Vertical linearity adjustment). • Custom Warp. • Upload of maps for warp, blend, uniformity and masking. • Selectable aspect ratios: 5:4 / 4:3 / 16:10 / 16:9 / 1.88 / 2.35 / TheaterScope / Source / Unscaled. • Digital Zoom. • Blanking control for custom input window sizing. **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 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 Controller Software** • Intuitive user interface for network control. • Simultaneous control of user-defined groups of projectors. • At-a-glance monitoring of projector status. **Projector Automation** • Real-time clock provides daily on/off automation. **Installation** • 4 × eye bolts included for easy rigging. • 4 × top stacking mounts and mount securing pins • IP6X sealed optics.
Key features:	• 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:	12G-SDI single link - SMPTE 292M (HD), SMPTE 424M (3G), SMPTE 2081 (6G), SMPTE 2082 (12G).
HDTV Formats:	EDTV (480p, 576p), HDTV (720p, 1080i, 1080p), 4K-UHD (3840 × 2160), DCI 4K (4096 × 2160)
Computer Compatibility:	VGA, SVGA, XGA, SXGA, SXGA+, WXGA, UXGA, WUXGA, Support for WQXGA
3D Compatibility:	Frame Packing Dual Pipe Frame Sequential Side By Side (half) Top and Bottom Compatible with polarised 3D glasses
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 M6 × 1 mounting holes, max. screw length 16 mm
Orientation:	Pointing Up: Yes Pointing Down: Yes Roll Portrait: Yes Tabletop Inverted: Yes
Dimensions:	L×W×H (with handles): 768.4 mm × 598.8 mm × 302.7 mm L×W×H (with handles): 30.25 in × 23.57 in × 11.92 in L×W×H (without handles): 669.4 mm × 598.8 mm × 302.7 mm L×W×H (without handles): 26.35 in × 23.57 in × 11.92 in
Weight:	48.5 kg (106.9 lb)
Remote Control:	Addressable Infrared/Wired Remote Control Unit
Automation Control:	Web-based LAN control RS-232 Email alerts LAN Control - Crestron® Roomview™ LAN Control - Crestron® eControl LAN Control - PJ Link compatible LAN Control - AMX® SSDP LAN to RS-232 (RS-232 by Telnet) Concurrence Control for RS-232/LAN Art-Net (DMX) control Scheduled On and Off times
Power Requirements:	200-240 VAC, 50/60 Hz single phase 10.8 A 110-130 VAC, 50/60 Hz single phase 11.9 A

Power Consumption:	At 230 VAC - Typical 1720 W, Max 1890 W in Normal mode At 230 VAC - Typical 1220 W, Max 2045 W in Eco mode At 230 VAC - Typical 1860 W, Max 2045 W in High-altitude mode
Standby power:	Super ECO mode: < 1W ECO mode: < 6W Normal mode: < 40W
Thermal Dissipation:	At 230 VAC - Typical 5869 BTU/h, Max 6449 BTU/h in Normal mode At 230 VAC - Typical 4136 BTU/h, Max 6978 BTU/h in Eco mode At 230 VAC - Typical 6347 BTU/h, Max 6979 BTU/h in High-altitude mode
Fan Noise:	Normal mode: 49 dBA typical Eco mode: 47 dBA typical
Temperature:	Operating: 0 to 40 °C (32 to 104 °F) Force ECO over 33 °C (91 °F)
Storage temperature:	-20 to 60 °C (-4 to 140 °F)
Operating Humidity:	up to 90% (with maximum temperature of 35 °C (95 °F); non-condensing)
Safety:	cTUVus, CB, CCC (China), FCC Class A (USA) FDA, CE (European Economic Area), UKCA, KC (Korea), BSMI (Taiwan), IEC/EN 62471-5:2015, GB/T 30117.5-2019, Class 1 Laser Product, Risk Group 3, IEC/EN 60825-1:2014, JIS C 6802 : 2018, IEC 60825-1:2014, EN 60825-1:2014+A11:2021 This product is in conformity with performance standards for laser products under 21 CFR 1040, except with respect to those characteristics authorised by Variance Number 2021-V-0192 effective on March 20, 2021
Product URL:	https://www.axiondisplays.com/brands/digital-projection/projectors/m-vision/m-vision-30000-wu/

Inputs / Outputs

Input	Connector	Qty
DisplayPort 1.2	DisplayPort	2
HDMI 2.0	HDMI	2
HDBaseT	RJ45	1
12G-SDI IN	BNC	1
12G-SDI OUT (loop through)	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

Connection	Connector	Qty
Serial In 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	3.5mm Stereo Jack	1
USB Power out 5V/2A	USB Type A	1

Available Lenses

Lens Name	Part #	Focus Range	V-Shift	H-Shift
Lens M-Vision 0.38:1	123-417	1.6 - 5 m	50% (up); 50% (down)	2.4% (left); 2.4% (right)
Lens M-Vision 0.9 -1.2:1	124-441	1.53 - 8.04 m	45% (up); 45% (down)	15% (left); 15% (right)
Lens M-Vision 1.20 - 1.56:1	124-442	1.5 - 10.4 m	50% (up); 50% (down)	15% (left); 15% (right)
Lens M-Vision 1.5 - 2.0:1	124-443	1.9 - 13.1 m	50% (up); 50% (down)	15% (left); 15% (right)
Lens M-Vision 2.0 - 4.0:1	124-444	3.48 - 25.10 m	50% (up); 50% (down)	15% (left); 15% (right)
Lens M-Vision 4.0 - 7.0:1	124-445	6.92 - 44.80 m	50% (up); 50% (down)	15% (left); 15% (right)
Lens M-Vision 6.9 -10.3:1	123-418	12 - 80 m	50% (up); 50% (down)	15% (left); 15% (right)