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M-Vision Laser 21000 WU

21,000 ISO / 18,600 ANSI Lumens | Contrast Ratio: 10,000:1 (Dynamic Black) | Part Number: 119-673

Key Specifications:

Colour System:	Blue + Red Laser and 4-segment colour wheel
Display Type:	1 x 0.96" DarkChip™ DMD™
DMD Specification:	1920 x 1200 pixels native display. Fast transit pixels for smooth greyscale and improved contrast.
Aspect Ratio:	16x10
Fill Factor	87%
Key Features:	**Red Laser Assist** • Uses blue and red laser diodes for increased colour fidelity and highly accurate colours **Video & Graphics Processing** • HDMI 1.4b for Side by Side, Frame Packing, Frame Sequential & TopBottom 3D Formats. • Dual Flash Processing can be used to multiply the displayed frame rate for 3D sources. • Dual Pipe Processing: Two sources in parallel for Left and Right eyes. • Synchronisation of active glasses. • 3G-SDI with loop-through. • 24p and 1080p native display. **Geometry Correction** • Cornerstone, Vertical & Horizontal Keystone, Pincushion & Barrel, and Image Rotation.

- Blanking control for custom input window sizing.
- Scaling for fixed aspect ratio screens.

Edge Blending

- Correction for non-active pixels at the edge of the display.

Picture in Picture

- Two sources can be displayed either one within the other (PIP) , or side by side, with the original aspect ratios maintained.

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 source with low cost cabling.

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

- Integrated stacking mount pins.
- Eye bolts included for easy rigging.
- IP6X sealed optics

Source Compatibility

3GSDI is SMPTE 292M, SMPTE 259M-C and SMPTE 424M compliant.
HDMI including Deep Color™ processing.
Graphics standards up to 1920 x 1200 resolution at 60Hz via HDMI or DisplayPort.

Inputs/Outputs

Video & Computer		
Type	Connector	Qty
DisplayPort 1.1a	DisplayPort	2
HDMI 1.4b	HDMI	2
3G-SDI in	BNC	1
3G-SDI out	BNC	1
HDBaseT	LAN RJ45	1

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Communication & Control		
Type	Connector	Qty
3D Sync Out	BNC	1
3D Sync In	BNC	1
LAN	RJ45	1
RS232	9-pin D-Sub	1
Wired Remote	3.5mm Stereo Jack	1
12V Trigger	3.5mm Stereo Jack	2

	NOTE: The HDBaseT and LAN ports are not shared.
3D Formats Supported	Frame Packing Dual Pipe Frame Sequential Side By Side (half) Top and Bottom
HDTV Formats Supported	1080p (24Hz, 25Hz, 30Hz, 50Hz, 60Hz), 1080i (50Hz, 60Hz), 720p (50Hz, 60Hz)
Computer Compatibility	Up to 1920 x 1200
Bandwidth	165 MHz on analog RGB 165 Megapixels per second on HDMI
Remote Control	Addressable IR Remote Control, wireless and wired On-Board keypad
Automation Control	Crestron RoomView® Connected PJLink Class 1 LAN RS232 AMX (Device Discovery) Served web page
Colour Temperature	3200K to 9300K
Operation	
illumination Type	Laser Light Source
Typical illumination Life	20,000 hours

Lenses

Lens	Part No.	Optimised Focus Range*	Lens Shift (Frame)
0.38:1 fixed	123-417	1.6m - 5m	Vert: 0.50 (U) 0.50 (D) frame, Hor: 0.025 (L) 0.025 (R) frame
0.9 - 1.2 : 1 zoom	120-624	0.92m - 10.6m	Vert: 0.45 (U) 0.45 (D) frame, Hor: 0.15 (L) 0.15 (R) frame
1.20 - 1.56 : 1 zoom	120-625	0.95m - 17.47m	Vert: 0.5 (U) 0.5 (D) frame, Hor: 0.15 (L) 0.15 (R) frame
1.50 - 2.00 : 1 zoom	120-626	1.24m - 16.4m	Vert: 0.5 (U) 0.3 (D) frame, Hor: 0.15 (L) 0.15 (R) frame
2.00 - 4.00 : 1 zoom	120-627	1.82m - 41.8m	Vert: 0.5 (U) 0.3 (D) frame, Hor: 0.15 (L) 0.15 (R) frame
4.00 - 7.00 : 1 zoom	120-628	4.38m - 74.5m	Vert: 0.5 (U) 0.3 (D) frame, Hor: 0.15 (L) 0.15 (R) frame
6.9 - 10.3 : 1 zoom	123-418	12m - 80m	Vert: 0.5 (U) 0.5 (D) frame, Hor: 0.15 (L)

				0.15 (R) frame

* 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	Motorised shift, zoom and focus, with programmable shift
Mechanical Mounting	Front/Rear Table Front/Rear Ceiling Adjustable Front/Rear Feet
Orientation	**Table Top or Inverted:** Yes **Pointing Up:** Yes **Pointing Down:** Yes **Roll (Portrait):** Yes
Power Requirements	110V~130Vac/ 50~60Hz 180V~240Vac/ 50~60Hz single phase * Note that in 120V operation, the projector will be at 65% brightness
Power Consumption	Typical 1900W @ 240VAC in Normal mode Typical 1250W @ 110VAC in Normal mode
Thermal Dissipation	Typical 6482 BTU/Hour @ 220VAC in Normal mode Typical 4265 BTU/Hour @ 110VAC in Normal mode
Fan Noise	Normal mode: 49.6 dBA max, 42 dBA typical Eco mode: 47.6 dBA max, 39dBA typical
Operating/Storage Temperature:	Operating: 0 to 35C (32 to 95F) Operating: >35 (95F) Projector automatically set to eco mode Storage: -20 to 60C (-4 to 140F)
Operating Humidity	10% to 90% relative, non-condensing
Weight	52 kg / 115 lbs
Dimensions	L: 74.8cm W: 53.0cm H: 24.8cm L: 29.5in W: 20.9in H: 9.8in
Safety & EMC Regulations	UL / cUL, CB, CCC, FCC Class 1, CE, BIS, RoHS 2, IEC EN 60825-1 Class 3R Laser Product, IEC EN 62471-5 Risk Group 2
Accessories	

Accessory	Part No.
Infrared Remote (replacement)	117-780

**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.*

Downloads	PDF CAD Drawings AUTOCAD Drawings STEP / IGS Drawings Lens CAD Drawings
User Guide	User Guides User Guides (German) Laser Risk Group Document

	Important Information Control Protocol

DIGITAL PROJECTION, LTD

Unit 3, Aniseed Park, Broadgate, Oldham, UK OL9 9XA

T: +44 (0)161 947 3300

www.digitalprojection.com

DIGITAL PROJECTION, INC

55 Chastain Road, Suite 115 Kennesaw, GA. 30144

T: 770.420.1350 | F: 770.420.1360

www.digitalprojection.com

DIGITAL PROJECTION, CHINA

Rm A2301, Shaoyaoju 101 North Lane, Shi Ao International Center, Chaoyang District, Beijing 100029, PR China

T: +86.10.58239771 | F: +86 10 58239770

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