

## M-Vision Laser 21000 WU (Preliminary)

21,000 ISO / 18,600 ANSI Lumens | Contrast Ratio: 10,000:1 (Dynamic Black) | Part No:119-673

# M-VISION LASER 21000 WU DIGITAL PROJECTOR



THE VISIONARIES CHOICE

<b>Colour System:</b>	<b>DMD Specification:</b>
Blue + Red Laser and 4-segment colour wheel	1920 x 1200 pixels native. Fast transit pixels for smooth greyscale and improved contrast.
<b>Display Type:</b>	<b>Aspect Ratio:</b>
1 x 0.96" DarkChip™ DMD™	16x10
	<b>Fill Factor</b>
	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

- Eye bolts included for easy rigging.

#### 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			Communication & Control		
Type	Connector	Qty	Type	Connector	Qty
DisplayPort 1.1a	DisplayPort	2	3D Sync Out	BNC	1
HDMI 1.4b	HDMI	2	3D Sync In	BNC	1
3G-SDI in	BNC	1	LAN	RJ45	1
3G-SDI out	BNC	1	RS232	9-pin D-Sub	1
HDBaseT	LAN RJ45	1	Wired Remote	3.5mm Stereo	1
			12V Trigger	Jack	2
				3.5mm Stereo	
				Jack	

**NOTE: The HDBaseT and LAN ports are not shared.**

3D Formats Supported	HDTV Formats Supported
Frame Packing Dual Pipe Frame Sequential Side By Side (half) Top and Bottom	1080p (24Hz, 25Hz, 30Hz, 50Hz, 60Hz), 1080i (50Hz, 60Hz), 720p (50Hz, 60Hz)

Computer Compatibility	Bandwidth
Up to 1920 x 1200	165 MHz on analog RGB 165 Megapixels per second on HDMI

Remote Control	Automation Control
Addressable IR Remote Control, wireless and wired On-Board keypad	Crestron RoomView® Connected PJLink Class 1 LAN RS232 AMX (Device Discovery) Served web page

Colour Temperature
3200K to 9300K

Lamp Type	Typical Lamp Life
Laser Light Source	20,000 hours

Lenses			
Lens	Part No.	Focus Range	Lens Shift
0.84 - 1.03 : 1 zoom	114-313	1.5m - 10m	Vert: 0.37 (U) 0.37 (D) frame, Hor: 0.12 (L) 0.12 (R) frame
1.20 - 1.56 : 1 zoom	117-573	1m - 8m	Vert: 0.5 (U) 0.5 (D) frame, Hor: 0.15 (L) 0.15 (R) frame
1.50 - 2.00 : 1 zoom	118-578	2m - 12m	Vert: 0.5 (U) 0.3 (D) frame, Hor: 0.15 (L) 0.15 (R) frame
2.00 - 4.00 : 1 zoom	118-588	2.5m - 42m	Vert: 0.5 (U) 0.3 (D) frame, Hor: 0.15 (L) 0.15 (R) frame
4.00 - 7.00 : 1 zoom	117-463	4m - 42m	Vert: 0.5 (U) 0.3 (D) frame, Hor: 0.15 (L) 0.15 (R) frame

Lens Mount
Motorised and programmable shift, zoom and focus.

Mechanical Mounting	Orientation
Front/Rear Table	<b>Table Top or Inverted:</b> Yes
Front/Rear Ceiling	<b>Pointing Up:</b> Yes
Adjustable Front/Rear Feet	<b>Pointing Down:</b> Yes
	<b>Roll (Portrait):</b> Yes

Power Requirements	Power Consumption
110V~130Vac/ 50~60Hz 180V~240Vac/ 50~60Hz single phase * Note that in 120V operation, the projector will be at 65% brightness	Typical 1900W @ 240VAC in Normal mode Typical 1250W @ 110VAC in Normal mode W

Thermal Dissipation	Fan Noise

TBC Typical 6482 BTU/Hour @ 220VAC in Normal mode  
TBC Typical 4094 BTU/Hour @ 240VAC in ECO mode  
TBC Typical 4265BTU/Hour @ 110VAC in Normal mode  
TBC Typical 3412 BTU/Hour @ 110VAC in ECO mode  
BTU/Hour

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 (Chassis Only)

52 kg  
115 lb

### 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

*\*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](#)

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