

## M-Vision Laser 21000 WU (Preliminary)

18,000 ANSI / 20,000 ISO Lumens | Contrast Ratio: 10,000:1 (Dynamic Black) | Part No:119-673

### M-VISION LASER 21000 WU DIGITAL PROJECTOR



THE VISIONARIES CHOICE

#### Colour System:

Blue + Red Laser and 4-segment colour wheel

#### DMD Specification:

1920 x 1200 pixels native, +/- 12° tilt angle  
Fast transit pixels for smooth greyscale and improved contrast.

#### Display Type:

1 x 0.96" DarkChip™ DMD™

#### 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.

### 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

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

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

### Lenses

Lens	Part No.	Optimised 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
--------------------	-------------------

100 - 240VAC 50/60Hz single phase * Note that in 120V operation, the projector will be at 65% brightness	Typical 2100W @ 240VAC in Normal mode Typical 1200W @ 240VAC in ECO mode Typical 1250W @ 110VAC in Normal mode Typical 1000W @ 110VAC in ECO modeW
--	---

Thermal Dissipation	Fan Noise
---------------------	-----------

Typical 4146 BTU/Hour @ 240VAC in Normal mode Typical 3276 BTU/Hour @ 240VAC in ECO mode Typical 4334 BTU/Hour @ 110VAC in Normal mode Typical 3412 BTU/Hour @ 110VAC in ECO mode BTU/Hour	Normal mode: 45 dBA max, 42 dBA typical Eco mode: 42 dBA max, 39dBA typical
--	--

Operating/Storage Temperature	Operating Humidity
-------------------------------	--------------------

Operating: 0 to 40C (32 to 104F) Operating: 40 to 45C (104 to 113F) with reduced light output Storage: -20 to 60C (-4 to 140F)	10% to 90% relative, non-condensing
--	-------------------------------------

Weight (Chassis Only)	Dimensions
-----------------------	------------

52 kg 115 lb	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, 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



Certificate Number 13629  
ISO 9001

---

Specifications subject to change without notice. Digital Projection version: - ©2016 Digital Projection.  
DLP®, Digital Light Processing™ and DMD are trademarks of Texas Instruments, Inc

---

**DIGITAL PROJECTION, LTD** GREENSIDE WAY, MIDDLETON MANCHESTER, UK. M24 1XX  
T: +44.161.947.3300 | F: +44.161.684.7674 | [www.digitalprojection.co.uk](http://www.digitalprojection.co.uk)

**DIGITAL PROJECTION, INC** 55 CHASTAIN ROAD, SUITE 115 KENNESAW, GA. 30144  
T: 770.420.1350 | F: 770.420.1360 | [www.digitalprojection.com](http://www.digitalprojection.com)

**DIGITAL PROJECTION, CHINA** Rm A2006, ShaoYaoJu 101 North lane, Shi AO International Center, Chao Yang District, Beijing, 100029, PR  
CHINA  
T: +86.10.58239771 | F: +86 10 58239770

**DIGITAL PROJECTION, ASIA** 16 NEW INDUSTRIAL ROAD, #02-10 HUDSON TECHNOCENTRE SINGAPORE 536204  
T: +65.6284.1138 | F: +65.6284.1238