M-Vision Laser 16K WUXGA (Preliminary)

14,200 ANSI / 16,000 ISO Lumens | Contrast Ratio: 10,000:1 (Dynamic Black) | Part No:118-770

M-VISION LASER 16K
DIGITAL PROJECTOR

THE VISIONARIES CHOICE

Colour System:	DMD Specification:
Blue Laser Phosphor + 4-segment colour wheel	1920 x 1200 pixels native. Fast transit pixels for smooth greyscale and improved contrast.

Display Type:	Aspect Ratio:
1 x 0.96" DarkChip™ DMD™	16x10 **Fill Factor** 87%

Key Features

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		
Type	**Connector**	**Qty**
DisplayPort 1.1a	DisplayPort	2
HDMI 1.4a	HDMI	2
3G-SDI in	BNC	1
3G-SDI out	BNC	1
HDBaseT (see LAN)	LAN RJ45	1

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	1
12V Trigger	Jack	2
	3.5mm Stereo	
NOTE: The HDBaseT and LAN ports are not shared.	Jack	

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
Laser Light Source

Typical Lamp Life
20,000 hours

Lenses			
Lens	**Part No.**	**Focus Range**	**Lens Shift**
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 - 15m	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
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
100 - 240VAC 50/60Hz single phase

Power Consumption
Typical 2000W @ 240VAC in Normal mode
Typical 1200W @ 240VAC in ECO mode
Typical 1200W @ 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) Storage: -20 to 60C (-4 to 140F)	10% to 90% relative, non-condensing

Weight (Chassis Only)	Dimensions
49 kg 108 lb	H: 24.8 cm W: 53.0 cm L: 69.5 cm H: 9.8 in W: 20.9 in L: 27.4 in

Safety & EMC Regulations

UL/cUL, CB, CCC, FCC Class 1 , CE, RoHS 2
IEC EN 60825-1 Class 3R Laser Product

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http://www.digitalprojection.co.uk/digital-products/.jpg

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](#)

[User Guides](#)

[AUTOCAD Drawings](#)

[Important Information](#)

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