M-Vision Laser 18K WUXGA

16,000 ANSI / 18,000 ISO Lumens | Contrast Ratio: 10,000:1 (Dynamic Black) | Part No:118-053

M-VISION LASER ı8K
DIGITAL PROJECTOR

THE VISIONARIES CHOICE

Colour System:	DMD Specification:
Blue Laser Phosphor + 4-segment colour wheel	1920 x 1200 pixels native, +/- 12° tilt angle 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

- 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

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.	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

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 * Note that in 120V operation, the projector will be at 65% brightness

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

Typical 6482 BTU/Hour @ 220VAC in Normal mode
Typical 3753 BTU/Hour @ 110VAC in Normal mode
BTU/Hour

Fan Noise

Normal mode: 45 dBA max, 42 dBA typical
Eco mode: 42 dBA max, 39dBA typical

Operating/Storage Temperature

Operating: 0 to 40C (32 to 104F)
Storage: -20 to 60C (-4 to 140F)

Operating Humidity

10% to 90% relative, non-condensing

Weight (Chassis Only)

49 kg
108 lb

Dimensions

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 A , CE, RoHS 2
IEC EN 60825-1:2014 Class 1 Laser Product
IEC 60825-1:2007 Class 3R Laser Product
IEC EN 62471-5:2015 Risk Group 3

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	User Guides
AUTOCAD Drawings	User Guides German
	User Guides French
	Important Information

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