

M-Vision Cine LED Series

M-Vision Cine LED



PERFORMANCE SPECIFICATIONS

Brightness (±10%)
600 Lumens

Contrast:
10,000:1

Display Type
Texas Instrument DMD 0.95" x 1,
DDR DLP Darkchip

Native White
D65

Sequential Color Management
RGB LED

Native Resolution
1920 x 1080 pixels

Aspect Ratio
16 x 9

Computer Compatibility
Up to 1920 x 1080

Video Compatibility
NTSC, SECAM, PAL, HDTV, HDCP
on HDMI 1.3,

Color Temperature
5500 to 9300 degrees Kelvin

Throw Ratio
.73 fixed
1.56 - 1.86:1
1.85 - 2.40:1
.8:1 Conversion lens
1.25:1 Conversion lens

Bandwidth (up to)
200 mHz on analog RGB
165 mHz on HDMI

Throw Distance
98" - 350"

Image Size
40" - 224"

Lens Shift (maximum)
Vertical:
.7 of frame if horizontal is at 0% position
Horizontal:
.3 of frame if vertical is at 0% position

NOTE: .73 fixed lens has NO LENS SHIFT as it is meant as an on-axis lens and is best suited for rear screen projection applications.

Lamp Life (Typical)¹
60,000+ hours via solid state illumination

Mechanical Mounting
Front/rear table
Front/rear ceiling
Adjustable front/rear feet

Operating Noise Level
<30dB

Dimensions (chassis only)
H: 8 inches 203 mm
W: 17.7 inches 448 mm
D w/out lens: 16.5 inches 419 mm
D w/ lens: 17.5 inches 435 mm

Weight (chassis only)
33 lbs.

Cabinet Color
Graphite

Overview

Digital Projection International (DPI), Texas Instruments' first DLP™ partner and the original innovator of the 3-chip DLP™ projector, proudly introduces the new M-Vision Cine LED, a stable, low-maintenance 1080p platform with the imaging fidelity of Texas Instruments' DLP™ technology. The single chip M-Vision LED adds a remarkably affordable line of 1920 x 1080 displays to DPI's already extensive single-chip product line.

The imagery benefits associated with the M-Vision are plentiful, including an expanded color gamut range and accelerated contrast performance. Augmenting these benefits is the over 60,000 hour lamp life, courtesy of solid state illumination technology, which guarantees a long and low-maintenance display life.

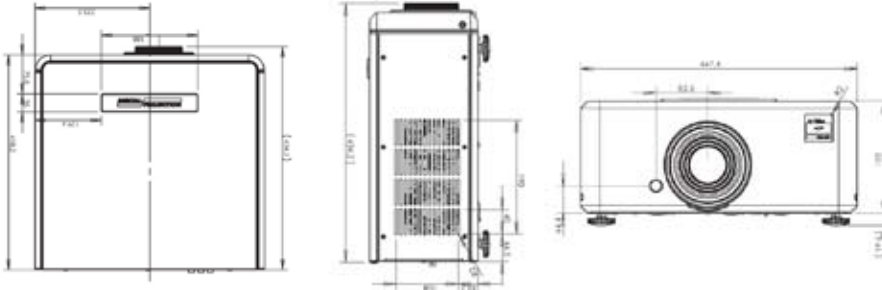
Installation is incredibly flexible due to the M-Vision's compact and lightweight chassis design, and extraordinary lens shift range of .3 of frame horizontal and .7 of frame vertical. Multiple lens options provide further flexibility, with a throw range from 1.56 to 2.40:1. Connectivity includes two HDMI inputs, as well as RGB via D-15, component, composite and S-Video inputs.

Providing 3-chip color saturation from a small-form single-chip display, the M-Vision Cine LED presents a powerful yet remarkably affordable solution for a variety of commercial and home entertainment applications where image quality and long-life usage are equally important. In any environment where ambient light can be controlled, the M-Vision Cine LED represents a low maintenance.

As is the case with all Digital Projection displays, our advanced engineering guarantees the M-Vision Cine LED provides remarkable contrast and color saturation for years to come. Equally important, our legacy in superior customer and technical services assures our experienced support staff is always available to address your needs.

INPUT / OUTPUT CAPABILITIES

Input	Connector	Quantity
VGA	D Sub (15-pin)	1
HDMI	HDMI 1.3	2
Component Video	RCAX3	1
(SDTV/HDTV)	BNC x 3	1
S-Video	4-pin mini DIN	1
Composite Video	RCA	1
Screen/Aspect trigger	3.5mm mini-sub	2
Remote control	3.5mm stereo jack- female	1



Projector Dimensions



M-Vision LED back panel

Projector dimensions (in)	Projector dimensions (mm)
L1 17.5 W1 17.7 H1 8	L1 435 W1 448 H1 203

ADVANCED TECHNICAL SPECIFICATIONS

PARAMETERS	
HDTV Formats Supported	1080p, 1080i, 720p, 576i/p, 480i, 480p
Scan Rates Supported	Vertical 43-85 HZ; Horizontal TBA
Remote Control	Remote wireless IR
Automation Control	RS232 9-pin D sub
Operating/Storage Temperature	Operating: 10 to 35°C at 0-7500, 50 to 95F / Storage: -20°C to 60°C, -4 to 140F
Operating Humidity	20% to 85%, non-condensing
Thermal Dissipation	1500 BTU/hour
Fan Noise	<30dB
Power Requirements	110 / 200-240 VAC, 47-63 Hz (Auto-Ranging)
Power Consumption	Standby <1W; Normal Operation 55W to 280W; Start-up <350W
Safety and EMC Regulations	FCC-A, UL, C-UL, CE



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1.56 - 1.86:1
1.85 - 2.40:1
.73 fixed lens

Part

110-002
110-003
110-001

Accessories Part

LED illumination Module 109-683
M-Vision Adjustable Ceiling Mount 111-182
Infrared Remote for M-Vision (replacement) 109-685
Enhanced Filter Kit (for venues with airborne contaminants) 109-736
M-Vision 24/7 Maintenance Kit 109-686
Adapter Plate for TheaterScope Swing System 111-183

M-Vision Conversion Lenses

.8:1 Conversion lens *
- converts standard 1.56-1.86 lens to 1.25-1.48:1

Part

109-727

* Note: The M-Vision 8:1 conversion lens introduces 4% bow distortion.
DPI recommends a close evaluation of the application before specifying this lens.

1.25:1 Conversion lens 109-735
- converts standard 1.85-2.40 lens to 2.32-3.0:1

Venue and application conditions may impact display life.
See Digital Projection's Product Warranty Statement for details on display warranty.

