

# M-Vision 1080p LED Series

M-Vision 1080p LED



## PERFORMANCE SPECIFICATIONS

**Brightness (±10%)**  
800 Lumens (preliminary specification)

**Contrast:**  
Full Black/Full White: 2,000:1  
Dynamic Black: 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

**Computer Compatibility**  
Up to 1920 x 1080

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

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

**Throw Ratio**  
.73 fixed  
1.56 - 1.86:1  
1.85 - 2.40:1

**Throw Distance**  
98" - 350"

**Image Size**  
40" - 224"

**Image Offset**  
**Horizontal:**  
30% if vertical is at 0% position  
**Vertical:**  
120% if horizontal is at 0% position

**Lamp Life (Typical)<sup>1</sup>**  
60,000+ hours via solid state illumination

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

**Operating Noise Level**  
<35dB

**Dimensions (chassis only)**

H: 8 inches	20.32 mm
W: 17.6 inches	44.7 mm
D w/out lens: 16 inches	40.64 mm
D w/ lens: 17 inches	43.18 mm

**Weight (chassis only)**  
20 lbs.

**Cabinet Color**  
Dark Grey

## 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 1080p-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 30% horizontal and 120% 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 1080p-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 1080p-LED represents a low maintenance

As is the case with all Digital Projection displays, our careful engineering guarantees the M-Vision 1080p-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
Twin HDMI	HDMI 1.3	2
Component Video (SDTV/HDTV)	RCAx3	1
	BNC x 3	1
S-Video	4-pin mini DIN	1
Composite Video	RCA	1
USB for mouse connection and firmware upgrade	USB	1
IR Emitter Output	3-pin mini Stereo jack	1

# M-Vision 1080p-LED Series



M-Vision LED Front



M-Vision LED Back Panel



## 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 / RJ45 LAN
Operating/Storage Temperature	Operating: 10 to 40°C at 0-7500' / Storage: -20°C to -60°C
Operating Humidity	20% to 85% with maximum wet bulb temperature of +27°C
Thermal Dissipation	1500 BTU/hour
Fan Noise	<35dB
Power Requirements	110-120/200-240 VAC, 47-63 Hz (Auto-Ranging)
Power Consumption	300W
Safety and EMC Regulations	FCC-A, UL, C-UL, CE



### Projector - M-Vision 1080p-260 Lens

	Part #
.73 fixed lens	109-729
1.56 - 1.86:1	109-658
1.85 - 2.40:1	109-680
.8:1 Conversion lens	109-727
- converts standard 1.56-1.86 lens to 1.25-1.48:1	
1.25:1 Conversion lens	109-735
- converts standard 1.85-2.40 lens to 2.32-3.0:1	

### Accessories

	Part #
LED illumination Module	109-683
M-Vision Adjustable Ceiling Mount	109-684
Infrared Remote for M-Vision (replacement)	109-685
M-Vision 24/7 Maintenance Kit	109-686

<sup>1</sup> Based on 4-6 hour/day operational profile. Venue and application conditions may impact display life. See Digital Projection's Product Warranty Statement for details on display warranty.

