

M-Vision Cine 400 Series

M-Vision Cine 400



PERFORMANCE SPECIFICATIONS

<p>Brightness (±10%) Cine 400: 6000 Lumens</p> <p>Contrast: Cine 400: 2000:1</p> <p>Display Type 1 x 0.95" 1080p DMD</p> <p>DMD Specification 1920 x 1080 pixels native</p> <p>Sequential Colour Management 5 Segment Colour Wheel</p> <p>Fill Factor 90%</p> <p>Source Compatibility</p> <ul style="list-style-type: none"> • Graphics standards up to 1920 x 1200 resolution at 60fps via DVI or VGA • Component video (SD and HD) via YPr Pb, RGB, or RGBS • S-Video (PAL, NTSC & SECAM) • Composite Video (PAL, NTSC & SECAM) <p>Video Processing</p> <ul style="list-style-type: none"> • Image scaling - State of the art image resizing technology • Class leading Video de-interlacing/processing of SD and HD sources using auto 3:2 and 2:2 extraction, ruggedized for editing discontinuities • Pixel-based motion adaptive interpolation • User selectable preset, parametric de-gamma • Auto mode selection - plug and play setup 	<p>Network Connection & Control</p> <ul style="list-style-type: none"> • Serial RS232 DB9 Full Protocol <p>Lamp Type Single 400W</p> <p>Lens Mount Fixed and Zoom Lenses, Mechanical H & V Shift, Zoom and Focus</p> <p>Lens Options</p> <table border="0"> <tr> <td>.73</td> <td>fixed</td> </tr> <tr> <td>1.56 - 1.86:1</td> <td>zoom</td> </tr> <tr> <td>1.85 - 2.40:1</td> <td>zoom</td> </tr> <tr> <td colspan="2">.8:1 Conversion lens</td> </tr> <tr> <td colspan="2">1.25:1 Conversion lens</td> </tr> </table> <p>Lens Shift</p> <p>Horizontal: 0.3 of frame if vertical is at 0% position</p> <p>Vertical: 0.7 of frame if horizontal is at 0% position</p> <p>** 0.73 fixed lens has NO LENS SHIFT as it is meant as an on-axis or center of the screen lens best suited for rear screen projection applications only.</p> <p>Lamp Life (Typical)¹ 2,000 hours</p> <p>Mechanical Mounting Front/rear table Front/rear ceiling</p> <p>Weight 14kgs</p>	.73	fixed	1.56 - 1.86:1	zoom	1.85 - 2.40:1	zoom	.8:1 Conversion lens		1.25:1 Conversion lens	
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Overview

Digital Projection International (Digital Projection), Texas Instruments' first DLP™ partner and the original innovator of the 3-chip DLP™ projector, proudly introduces the new M-Vision Cine 400 series, a high brightness 1080p platform with the imaging fidelity of Texas Instruments' DLP™ technology. The single-chip M-Vision Cine 400 series adds a remarkably affordable, high-performance series of 1920 x 1080 displays to Digital Projection's already extensive single-chip product line.

The imagery benefits associated with the M-Vision Cine series are plentiful, including an expanded colour gamut range, up to 6000 lumens and up to 2000:1 contrast ratio. For any home venue, including those contending with high ambient light, the Cine 400 series offers bright, saturated colour. Augmenting these benefits is the overall efficiency of the dual lamp system, meaning the 400 produces the beautiful imagery while consuming a fraction of the wattage of similar products.

Installation is incredibly flexible due to the M-Vision's compact and lightweight chassis design, plus 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 .73 to 2.40:1. It should also be noted that the (.73) fixed lens has NO LENS SHIFT since it is meant as an on-axis or centre of the screen lens best suited for rear screen projection applications only. Connectivity includes two HDMI inputs, as well as RGB via D-15, component, composite and S-Video inputs.

Providing a bright, saturated image from a small-form single-chip display, the M-Vision Cine 400 presents a powerful yet remarkably affordable solution for a variety of commercial and home entertainment applications, including:

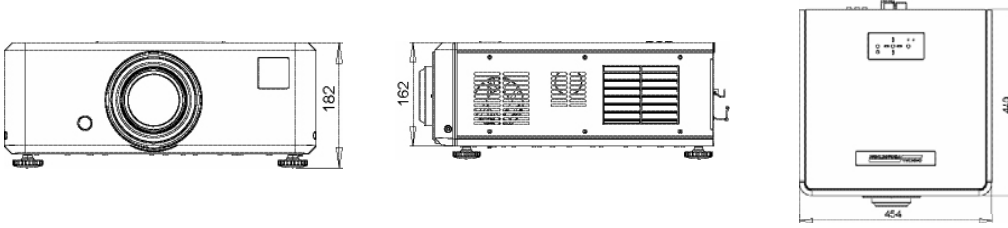
- Media rooms, family rooms and home theaters
- Training and education
- Boardrooms and conference centers
- Visualization/simulation environments
- Retail and entertainment
- Digital media/advertising and hospitality

As is the case with all Digital Projection displays, our careful engineering guarantees the M-Vision Cine 400 provides remarkable contrast and colour saturation for years to come.

INPUT / OUTPUT CAPABILITIES

Input*	Connector	Quantity
VGA	D Sub (15-pin)	1
Twin 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
USB for mouse connection and firmware upgrade	USB	1
IR Emitter Output	3-pin mini Stereo jack	1

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Projector Dimensions

M-Vision Series

Projector dimensions (mm)
L1 645.4 W1 543.5 H1 253.5

ADVANCED TECHNICAL SPECIFICATIONS

PARAMETERS



Native Colour Temperature 1080p, 1080i, 720p, 576i/p, 480i, 480p

Signal Formats Vertical 43-85 HZ; Horizontal TBA

Remote Control Remote wireless IR

Operating/Storage Temperature RS232 9-pin D sub

Operating Humidity Operating: 10 to 35°C at 0-7500', 50 to 90F / Storage: -20°C to 60°C, -4 to 140F

Power Requirements 20% to 85% with maximum wet bulb temperature of +27°C

Power Consumption 1500 BTU/hour

Thermal Dissipation <32dB

Acoustic Levels 110 / 200-240 VAC, 47-63 Hz (Auto-Ranging)

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0.73 fixed lens

1.56 - 1.86:1

1.85 - 2.40:1

.8:1 Conversion lens

- converts standard 1.56-1.86 lens to 1.25-1.48:1

*Disclaimer regarding the M-Vision 8:1 conversion lens: This lens introduces 4% bow distortion. Digital Projection recommends caution when using this lens.

1.25:1 Conversion lens

- converts standard 1.85-2.40 lens to 2.32-3.0:1

Part

111-147

111-148

111-149

109-727

109-735

Accessories

400 Watt Lamp and Housing

M-Vision Adjustable Ceiling Mount

Infrared Remote for M-Vision (replacement)

Part

111-150

111-182

109-685

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

