PRELIMINARY

M-Vision Cine 400 Series

PERFORMANCE SPECIFICATIONS

Brightness (±10%)
Cine 400: 5500 Lumens

Contrast:
Cine 400: 2000:1

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

Native White
D65

Sequential Color Management
5 Segment Color Wheel

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,

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

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

Throw Distance
98" - 350"

Image Size
40" - 224"

Image Offset
Horizontal:
.3 of frame if vertical is at 0% position
Vertical:
.7 of frame if horizontal is at 0% position
** .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.

Lamp Life (Typical)1
2,000 hours

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

Operating Noise Level
<42dB

Dimensions (chassis only)

H: 7.3 inches	185 mm
W: 17.9 inches	454 mm
D w/out lens: 17.3 inches	440 mm
D w/ lens: 18.3 inches	465 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 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 DPI's already extensive single-chip product line.

The imagery benefits associated with the M-Vision Cine series are plentiful, including an expanded color gamut range, up to 5500 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 color. 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 center 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 color 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

Specifications subject to change without notice

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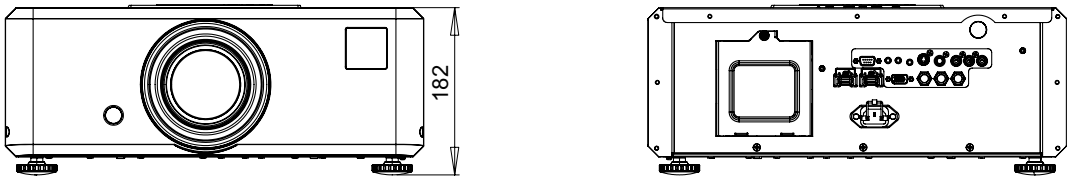
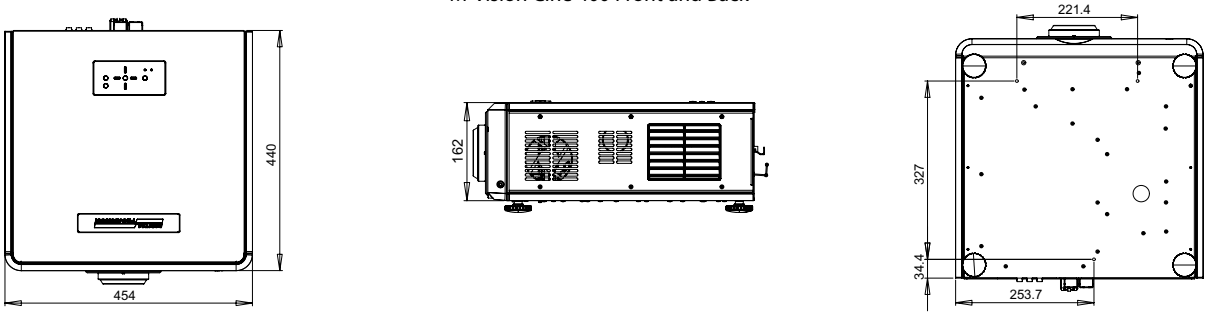


M-Vision Cine 400 Front and Back



M-Vision Cine 400 Top

M-Vision Cine 400 Bottom

ADVANCED TECHNICAL SPECIFICATIONS

PARAMETERS	M-Vision Cine 400
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 90F / Storage: -20°C to 60°C, -4 to 140F
Operating Humidity	20% to 85% with maximum wet bulb temperature of +27°C
Thermal Dissipation	1500 BTU/hour
Fan Noise	<32dB
Power Requirements	110 / 200-240 VAC, 47-63 Hz (Auto-Ranging)
Power Consumption	350W
Safety and EMC Regulations	FCC-A, UL, C-UL, CE

M-Vision Cine 400	Part #
.73 fixed lens	111-147
1.56 - 1.86:1	111-148
1.85 - 2.40:1	111-149
.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	

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

Accessories	Part #
400 Watt Lamp and Housing	111-150
M-Vision Adjustable Ceiling Mount	111-182
Adapter Plate for Kino Torsion System	111-183
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

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.

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