



PERFORMANCE SPECIFICATIONS

Brightness (±10%)
1,000

Contrast:
3500:1

Display Type
1 x 0.95" 1080p DMD

DMD Specification
1920 x 1080 pixels native

Fill Factor
90%

Sealed Optics at DMD interface
Protects DMD's™ from optical contamination

Sequential Colour Management
6 Segment colour wheel

Source Compatibility

- 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)

Video Processing

- 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

Network Connection and Control
Serial RS232 DB9 Full Protocol

Lamp Type
Single 230W High Intensity Discharge

Lamp Life (Typical)1
Normal mode: 2000hrs
Eco mode: 4000hrs

Lens Mount
Fixed and Zoom Lenses, Mechanical Horizontal & Vertical Shift, Zoom and Focus.

Lens Options

0.73:1	Fixed
1.56 - 1.85:1	Zoom
1.85 - 2.4:1	Zoom

Mechanical Mounting
Front or Rear Table and Front or Rear Ceiling. Tilt +/- 12° Front to Back 12° left and right

Weight (chassis only)
14kg.

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 230. Equipped with the powerful imaging fidelity of Texas Instruments' DLP® technology, the single chip, single lamp M-Vision Cine 230 adds the most affordable 1920 x 1080 precision display to DPI's extensive single chip product line.

Optimized for SMPTE 709 standards, the M-Vision Cine 230 produces 1,000 lumens and 3000:1 native contrast. Engineered specifically to showcase high-definition home entertainment, the Cine 230 is a colour-performance-focused home cinema projector. The high lumen output and contrast allow the Cine 230 to thrive in cinemas with screens up to 10' wide, as well as in media rooms with some ambient light and smaller screen sizes.

The compact and exceptionally quiet M-Vision chassis, 1080p resolution, integrated electronics and straightforward user interface make the M-Vision Cine 230 a compelling solution for home entertainment spaces wanting to maximize performance on a budget.

Sharing the same elegant Cine body design as the existing M-Vision product line, the Cine 230 uses an RGB colour wheel which ensures superior colour gamut and saturation. Installation is incredibly flexible due to the M-Vision Cine 230's compact and lightweight chassis design, and extraordinary lens shift range of 30% horizontal and 120% vertical.

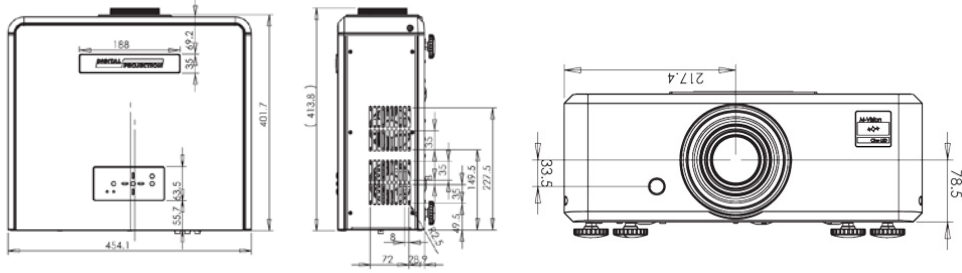
Multiple lens options provide further flexibility, with a throw ratio ranging from 1.25 to 3.0:1. There is also a fixed lens which offers a .73:1 throw ratio. Connectivity includes two HDMI inputs, as well as RGB via D-15, component, composite and S-Video inputs.

As is the case with all Digital Projection displays, our careful engineering guarantees M-Vision displays provide remarkable contrast and colour 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	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

M-Vision Cine 230



Projector Dimensions

M-Vision Series

Projector dimensions (mm)
W1 454.1 L1 401.7 H1 161.9



ADVANCED TECHNICAL SPECIFICATIONS

PARAMETERS

Native Colour Temperature	6500K adjustable 5500K - 9300K
Signal Formats	480i, 576i 480p, 576p, 720p, 1080i (50, 59.94 and 60Hz) 1080p (23.98, 24, 25, 29.97 and 30Hz)
Remote Control	Remote wireless IR / on board keypad
Automation Control	RS232 9-pin D sub
Operating/Storage Temperature	Operating: 10 to 35°C / Storage: -20°C to 60°C
Operating Humidity	90% non condensing max temp 40°C
Power Consumption	302W @ 110V / 292W @ 240V
Thermal Dissipation	1000 BTU / Hour
Power Requirements	110V - 240V AC
Sound level generated during operation	33dB
Safety and EMC Regulations	FCC-A, UL, C-UL, CE

M-Vision Cine 400

0.73 fixed lens
1.56 - 1.86:1
1.85 - 2.40:1

Part

111-147
111-148
111-149

Accessories

400 Watt Lamp and Housing
M-Vision Adjustable Ceiling Mount
Infrared Remote for M-Vision (replacement)

Part

111-150
111-182
109-685

.8:1 Conversion lens

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

109-727

*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

109-735

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.

