

M-Vision Cine 230

M-Vision Cine 230 HC



PERFORMANCE SPECIFICATIONS

Brightness (±10%)

M-Vision Cine 230 HC: 1000 Lumens

Contrast:

M-Vision Cine 230 HC: 3000:1 Contrast

Display Type

Texas Instrument DMD 0.95" x 1,
DDR DLP Darkchip

Native White

D65

Sequential Color Management

6 Segment Color Wheel

Native Resolution

1920 x 1080 pixels

Aspect Ratio

16 x 9

Computer Compatibility

Up to 1920 x 1080

Color Temperature

5500 to 9300 degrees Kelvin

Video Compatibility

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

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

3,000 hours

Mechanical Mounting

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

Operating Noise Level

<32 dB

Dimensions (chassis only)

H: 7.3 inches	182 mm
W: 17.9 inches	454 mm
D w/out lens: 15 inches	381 mm
D w/ lens: 16.3 inches	414 mm

Weight (chassis and lens)

30 lbs.

Cabinet Color

Black

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 color-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 color wheel which ensures superior color 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.

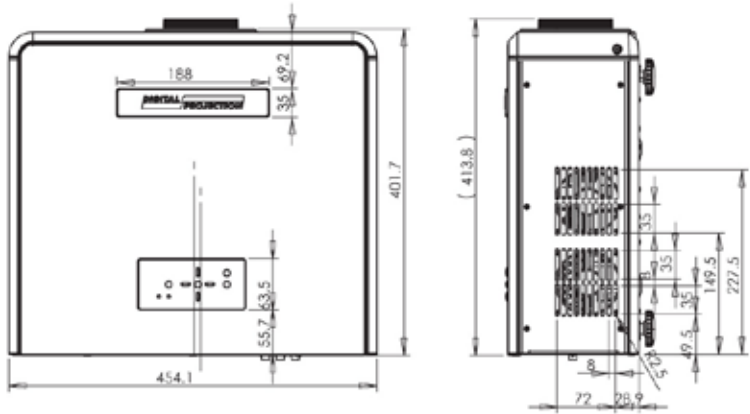
Multiple lens options provide further flexibility, with a throw ratio ranging from 1.25 to 3.0:1. There is also a fixed lens which offers a .73:1 throw ratio. Connectivity includes two HDMI inputs, as well as RGB via D-15, component, composite and S-Video inputs.

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

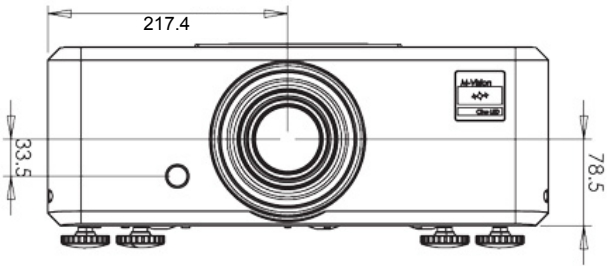
INPUT / OUTPUT CAPABILITIES

Input	Connector	Quantity
VGA	D Sub (15-pin)	1
HDMI	HDMI 1.3	2
Component Video (SDTV/HDTV)	RCa3	1
	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

M-Vision Cine 230



M-Vision Cine 230 Top and Side



M-Vision Cine 230 Front

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 90F / Storage: -20°C to 60°C, -4 to 140F

Operating Humidity

20% to 85%, non-condensing

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 230 HC

1.56 - 1.86:1
1.85 - 2.40:1

Part

111-144
111-145

M-Vision Conversion Lenses Part

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

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

109-735

Accessories

230 Watt Lamp and Housing
M-Vision Adjustable Ceiling Mount
Infrared Remote for M-Vision (replacement)
M-Vision 24/7 Maintenance Kit
Enhanced Filter Kit (for venues w/airborne contaminants)
Adapter Plate for TheaterScope Swing System

Part

111-146
111-182
109-685
109-686
109-736
111-183

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.

