

# VIVID & DAZZLING HOME CINEMA PROJECTION

HD39Darbee



ULTIMATE COLOR. EXCEPTIONAL DEPTH. MIND BLOWING REALISM.



Next generation DarbeeVision image processor enhances images to reveal extraordinary levels of detail, depth, lighting, and object separation



1080p Full HD resolution, 3500 lumens, and 32,000:1 contrast ratio delivers luminous images and profound black levels



Reference Display Mode enables accurate color via 100% REC.709 HDTV color gamut



BrilliantColor's dazzles with color enhancement while ISFccc profiles enable improved color purity and deeper blacks



High performance and low maintenance with 15,000 hours of lamp life in Dynamic mode



Vertical Lens Shift and 1.6x zoom provide an intuitive and flexible installation



The HD39Darbee is engineered to deliver a powerful and immersive experience for gaming, watching movies, and viewing photos. The integrated DarbeeVision™ image enhancement technology utilizes neuro-biologic algorithms to achieve unprecedented detail in skin tones, textures, and reflective surfaces while delivering superior depth, object separation and automatic removal of unsightly artifacts. The end result is an immersive, larger-than-life experience with Xbox One and PS4 games, Blu-ray movies, HDTV programming, and home videos and photos.

With 3500 lumens and an amazing 32,000:1 contrast ratio, the HD39Darbee delivers bright images with deep black levels. The HD39Darbee's Reference Display Mode enables accurate color via REC.709 HDTV color space for rich vibrant colors in all media content. With 15,000 hours of lamp life, the HD39Darbee requires very little maintenance, for hours of gaming and viewing entertainment. The HD39Darbee features 17% vertical lens shift and a 1.6x optical zoom for an easy installation almost anywhere.

The HD39Darbee features the latest and greatest digital media interface with support for MHL v1.2. MHL v1.2 enabled HDMI port allow MHL devices such as Optoma's HDCast Pro\*, Roku Streaming Stick, and smart phones to connect directly to the projector to playback music and video, view pictures and even share webpages and other user generated digital media content.

## CONNECTIVITY (May require optional accessories)



Smart Phones



Tablets



Computers/Mac



Cablebox



DVD Blu-ray Player



Game Console

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## OPTICAL/TECHNICAL SPECIFICATIONS

<b>Display Technology</b>	Single 0.65" DC3 DMD DLP® Technology by Texas Instruments™
<b>Color Wheel</b>	5 Segment; RGBCY
<b>Image Enhancement Processor</b>	Integrated DarbeeVision™ Image Enhancement Technology with Deep Color, 30-bit 4:4:4, split screen demo mode, slider demo mode, and 3 enhancement profiles (Hi-Def, Gaming & Full Pop)
<b>Native Resolution</b>	1920x1080 Full HD
<b>Maximum Resolution</b>	1920x1200 WUXGA
<b>Brightness</b>	3500 Lumens
<b>Contrast Ratio</b>	32,000:1
<b>REC.709 Color Gamut</b>	100% REC.709 color gamut provides rich accurate color based on the HDTV Broadcast Specification.
<b>Displayable Colors</b>	1.07 Billion
<b>Lamp Life and Type*</b>	15000/10000/4000 (Dynamic/Eco/Bright)
<b>Projection Method</b>	Front, rear, ceiling mount, table top
<b>Keystone Correction</b>	±40° Vertical
<b>Vertical Lens Shift</b>	17.1%
<b>Uniformity</b>	80%
<b>Offset</b>	116% ±5%
<b>Aspect Ratio</b>	16.9 (Native), 4:3, LBX, Native, Superwide
<b>Throw Ratio</b>	1.4 - 2.24 D/W (+3% variance)
<b>Projection Distance</b>	61" - 586" (no zoom)
<b>Image Size</b>	26.2" - 301.11"
<b>Projection Lens</b>	F=2.5–3.26, f=21.9–32 mm, 1.6x manual zoom and focus
<b>Optical Zoom</b>	1.6x
<b>Digital Zoom</b>	0.8 - 2.0
<b>Audio</b>	10W Speaker
<b>Noise Level</b>	28dB
<b>Remote Control</b>	Backlit IR remote control
<b>Operating Temperature</b>	41–104°F (5–40°C), Max. 85% max humidity
<b>Power Supply</b>	Auto-ranging: 100V ~ 240V ± 10%, 50-60Hz
<b>Power Consumption</b>	295W Typical (Bright mode), 325W Max (Bright mode), 210W Typical (Eco mode), 230W Max (Eco mode)
<b>High Altitude</b>	Sea Level to 10,000 feet (@23°C); must manual switch to high altitude mode @5000 feet & above

## COMPATIBILITY SPECIFICATIONS

<b>Computer Compatibility</b>	WUXGA, UXGA, SXGA+, WXGA+, WXGA, SXGA, XGA, SVGA, VGA
<b>Video Compatibility</b>	NTSC, PAL, SECAM, SDTV (480i), EDTV (480p), HDTV (720p, 1080i/p)
<b>3D Compatibility†</b>	Supports all HDMI 1.4a mandatory 3D formats (Frame pack, side-by-side, top-bottom) and up converts frame rate from 60Hz to 120Hz or 24Hz to 144Hz (i.e 60 or 72 frames per eye). 3D glasses are needed and are sold separately. Refer to user manual for details.
<b>Vertical Scan Rate</b>	24–85Hz, (120Hz for 3D)
<b>Horizontal Scan Rate</b>	15.375–91.146KHz
<b>User Controls</b>	Complete on-screen menu, adjustments in 27 languages
<b>I/O Connection Ports</b>	2x HDMI 1.4a with MHL (on port 1), 3D Sync Port, Mini USB, USB-A (USB Power Only), 12V Trigger
<b>USB Power Out</b>	Must be enabled in OSD. Available settings: On, Off, Auto - ON setting = MHL is disabled on HDMI 1, Off setting = MHL enabled on HDMI 1, and Auto setting = MHL on HDMI 1 has priority over USB power.
<b>Loop Through (Audio)</b>	Yes

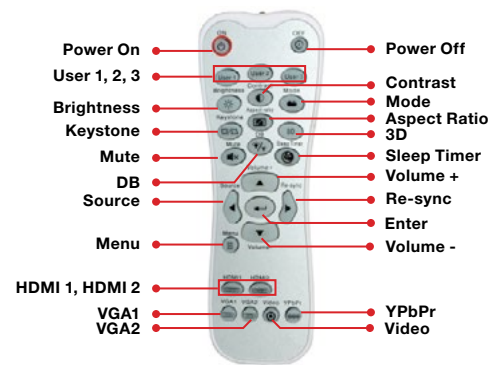
## PHYSICAL SPECIFICATIONS

<b>Security</b>	Kensington® lock, security bar, and keypad lock
<b>Weight</b>	6.17lbs
<b>Dimensions (W x H x D)</b>	12.36" X 8.81" x 4.48" (W x D X H)

## BACK



- 1. 3D Vesa
- 2. HDMI 1 / MHL
- 3. 12V Out
- 4. HDMI 2
- 5. Stereo Audio-Out
- 6. USB Power (A port)
- 7. Power



## Warranty

1-Year Limited Parts and Labor, 90-Days on Lamp

## What's in the Box

HD39Darbee projector, lens cap, AC power cord, remote control, batteries for remote, multilingual CD-ROM, user's manual, quick start card, and warranty card

## Optional Accessories

Universal ceiling mount	DLP® Link™ 3D glasses
RF 3D glasses	RF 3D emitter
Carrying case	

## Accessory Part Numbers

Lamp: BL-FU240B  
 Remote: SP8ZE01GC01  
 Ceiling Mount: OCM818W-RU  
 RF 3D glasses: ZF2300GLASSES  
 RF 3D emitter: BC300  
 DLP® Link™ 3D glasses: ZD302  
 Carrying case: BK-4028

UPC 796435 81 270 6

www.OptomaUSA.com



\*Light source life is dependent upon many factors, including brightness mode, display mode, usage, environmental conditions and more. Light source brightness can decrease over time.

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