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)
VIVID & DAZZLING HOME CINEMA PROJECTION — HD39Darbee

OPTICAL/TECHNICAL SPECIFICATIONS

Display Technology
Single 0.65" DC3 DMD DLP® Technology by Texas Instruments™

Color Wheel
5 Segment; RGBCY

Image Enhancement Processor
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)

Native Resolution
1920x1080 Full HD

Maximum Resolution
1920x1200 WUXGA

Brightness
3500 Lumens

Contrast Ratio
32,000:1

REC.709 Color Gamut
100% REC.709 color gamut provides rich accurate color based on the HDTV Broadcast Specification.

Displayable Colors
1.07 Billion

Lamp Life and Type*
15000/10000/4000 (Dynamic/Eco/Bright)

Projection Method
Front, rear, ceiling mount, table top

Keystone Correction
±40° Vertical

Vertical Lens Shift
17.1%

Uniformity
80%

Offset
116% ±5%

Aspect Ratio
16.9 (Native), 4:3, LBX, Native, Superwide

Throw Ratio
1.4 - 2.24 D/W (+3% variance)

Projection Distance
61” - 586” (no zoom)

Image Size
26.2” - 301.11”

Projection Lens
F=2.5–3.26, f=21.9–32 mm, 1.6x manual zoom and focus

Optical Zoom
1.6x

Digital Zoom
0.8 - 2.0

Audio
10W Speaker

Noise Level
28dB

Remote Control
Backlit IR remote control

Operating Temperature
41–104°F (5–40°C), Max. 85% max humidity

Power Supply
Auto-ranging: 100V ~ 240V ± 10%, 50-60Hz

Power Consumption
295W Typical (Bright mode), 325W Max (Bright mode), 210W Typical (Eco mode), 230W Max (Eco mode)

High Altitude
Sea Level to 10,000 feet (@23°C); must manual switch to high altitude mode @5000 feet & above

COMPATIBILITY SPECIFICATIONS

Computer Compatibility
WUXGA, UXGA, SXGA+, WXGA+, WXGA, SXGA, XGA, SVGA, VGA

Video Compatibility
NTSC, PAL, SECAM, SDTV (480i), EDTV (480p), HDTV (720p, 1080i/p)

3D Compatibility†
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.

Vertical Scan Rate
24–60Hz (120Hz for 3D)

Horizontal Scan Rate
15.375–91.146KHz

User Controls
Complete on-screen menu, adjustments in 27 languages

I/O Connection Ports
2x HDMI 1.4a with MHL (on port 1), 3D Sync Port, Mini USB, USB-A (USB Power Only), 12V Trigger

USB Power Out
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.

Loop Through (Audio)
Yes

PHYSICAL SPECIFICATIONS

Security
Kensington® lock, security bar, and keypad lock

Weight
6.17lbs

Dimensions (W x H x D)
12.36” X 8.81” X 4.48” (W x D X H)

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
RF 3D glasses
RF 3D emitter
Carrying case

Accessory Part Numbers
Lamp: BL-FU240B
Remote: SP.8ZE01GC01
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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