ULTRA HOME CINEMA PROJECTION
HD29Darbee

BREATHTAKING COLOR. EXCEPTIONAL DEPTH. ASTOUNDING REALISM.

- **Next Generation DarbeeVision Image Processor enhances images to reveal extraordinary levels of detail, depth, lighting, and object separation**
- **1080p Full HD resolution, 3200 lumens and 30,000:1 contrast ratio deliver luminous images and profound black levels**
- **Reference Display Mode enables accurate color via REC.709 HDTV color gamut**
- **BrilliantColor dazzles with color enhancement while ISFccc profiles enable improved color purity and deeper blacks**
- **High performance and low maintenance with 10,000 hours of lamp life in ECO+ mode**
- **Power Optoma's optional WHD200 Wireless HDMI System with onboard USB power**

Full 3D 1080p | Full 3D | Rec.709 | DARBEE VISUAL PRESENCE | Short Throw

The HD29Darbee is the successor to the WORLD'S FIRST home cinema projector featuring DarbeeVision, the HD28DSE. Engineered to deliver an immersive experience in Xbox One and PS4 games, Blu-ray movies, HDTV programming, home videos and even vacation 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 3200 lumens and an amazing 30,000:1 contrast ratio, HD29Darbee delivers bright images with deep black levels. HD29Darbee's Reference Display Mode enables accurate color via REC.709 HDTV color space for rich vibrant colors in Blu-ray movies, HDTV programming, home videos, and photos. With 10,000 hours of lamp life, the HD29Darbee requires very little maintenance, for hours of gaming and viewing entertainment.

The HD29Darbee features the latest digital media interface with support for MHL v1.2. MHL v1.2 enabled HDMI ports allow MHL devices such as Optoma's HDCast Pro*, Roku Streaming Stick and Smart Phones to connect directly to the projector to play back music and video, view pictures and even share webpages and other user generated digital media content.

CONNECTIVITY (May require optional accessories)


Computers


Smart Phones


Tablets


3D Blu-ray/DVD Players


Game Console


Apple TV®


Chromecast™

ULTRA HOME CINEMA PROJECTION - HD29DARBEE

OPTICAL/TECHNICAL SPECIFICATIONS

Display Technology	Single 0.65" DC3 DMD DLP® Technology by Texas Instruments™
Image Enhancement Processor	Integratred 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	3200 Lumens
Contrast Ratio	30,000:1
Displayable Colors	1.07 Billion
Lamp Life and Type*	10,000/8000/6000/5000 (Eco+/Dynamic/ Eco/Bright)
Projection Method	Front, rear, ceiling mount, table top
Keystone Correction	±40° Vertical
Uniformity	80%
Offset	116%
Aspect Ratio	16.9 (Native), 16:10, 4:3, LBX, Auto
Throw Ratio	1.48 ~ 1.62 D/W (-+3% variance)
Image Size	27.88" - 305.3"
Projection Distance	59" - 394"
Projection Lens	F=2.5–2.67, f=21.9–24 mm, 1.1x manual zoom and focus
Optical Zoom	1.1x
Digital Zoom	0.8 ~ 2.0
Audio	10W Speaker
Noise Level	29dB
Remote Control	Backlit IR remote control
Operating Temperature	41~ 104°F
Power Supply	Auto-ranging: 100V ~ 240V ± 10%, 50-60Hz
Power Consumption	240W Typical (Bright mode), 264W Max (Bright mode), 198W Typical (Eco mode), 218W Max (Eco mode)
High Altitude	Sea Level to 10,000 feet (@73°F); must manual switch to high altitude mode @5000 feet & above

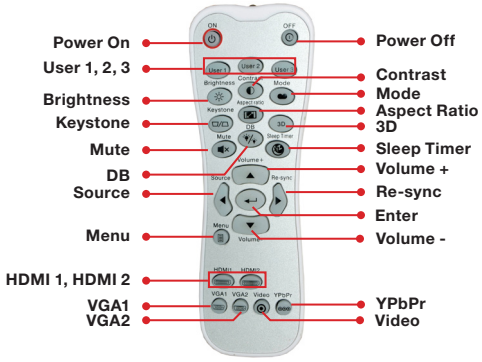
COMPATIBILITY SPECIFICATIONS

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	24–85Hz, (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
Loop Through (Audio)	Yes

PHYSICAL SPECIFICATIONS

Security	Kensington® lock, security bar and keypad lock
Weight	5.1lbs
Dimensions (W x H x D)	11.73" X 9.0" x 3.7" (W x D X H)

1. HDMI
2. HDMI/MHL
3. USB
4. 3D Sync
5. 12V Out
6. Audio Out
7. Power



Warranty

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

What's in the Box (Standard Accessories)

HD29Darbee 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, Wireless HDMI system, DLP® Link™ 3D glasses , RF 3D glasses, RF 3D emitter, Carrying case

Accessory Part Numbers

Lamp: BL-FP195A
Remote: SP.8ZE01GC01
DLP® Link™ 3D glasses: BG-ZD301
Carrying case: SP.8VH03GC01
Wireless HDMI system: WHD200
RF 3D emitter: BC300
RF 3D glasses: ZF2300GLASSES
Mount: BM-5001U

UPC 796435 81 256 0

*Lamp life is dependent on many factors, including lamp mode, display mode, usage, environmental conditions and more. Lamp brightness can decrease over time.

†3D content can be viewed with DLP® Link active shutter glasses when projector is used with a compatible 3D player. Please visit www.OptomaUSA.com for more information.

www.OptomaUSA.com

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