

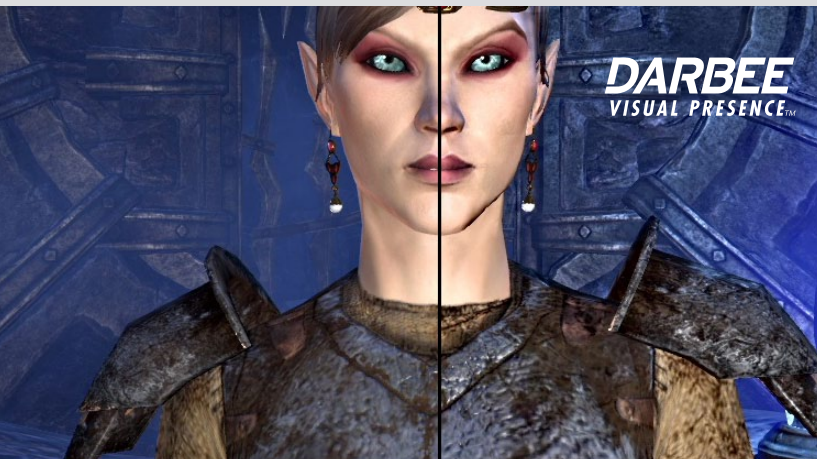
Ultra Home Cinema Projection HD28DSE



Breathtaking Clarity, Depth and Realism



- Powerful DARBEE Visual Presence™ technology** enhances images to reveal extraordinary levels of detail, depth, lighting and object separation
- 1920x1080 Full HD resolution, 3000 lumens, and 30,000:1 contrast ratio** delivers luminous images and profound black levels
- Four Corner Adjustment** allows quick & easy adjustment to correct trapezoidal images
- BrilliantColor™** dazzles with color enhancement while ISFccc profiles enable improved color purity and deeper blacks
- High performance & low maintenance** with 8000 hrs of lamp-life in Bright+Dynamic mode
- Power Optoma's WHD200 Wireless HDMI System (optional)** and other media streaming dongles with onboard USB power



The HD28DSE is the **WORLD'S FIRST** home cinema projector 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 DARBEE Visual Presence™ 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 Xbox One and PS4 games, Blu-ray movies, HDTV programming, home videos, and photos that are simply mind-blowing and larger-than-life.

With four corner adjustment the trapezoidal image can be quickly corrected by adjusting the corners of the image in or out, which simplifies installation and eliminates frustration.

The HD28DSE's features the latest and greatest 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 playback music and video, view pictures and even share web pages and other user generated digital media content.

*Available October 2015

CONNECTIVITY (May require optional accessories)



Computers



Smart Phones



Tablets

3D Blu-ray/DVD Players



Set Top Boxes



Camcorders



Digital Cameras



Game Consoles



Roku®



Apple TV®



Chromecast™



FireTV™

Breathtaking Clarity, Depth and Realism — HD28DSE

OPTICAL/TECHNICAL SPECIFICATIONS

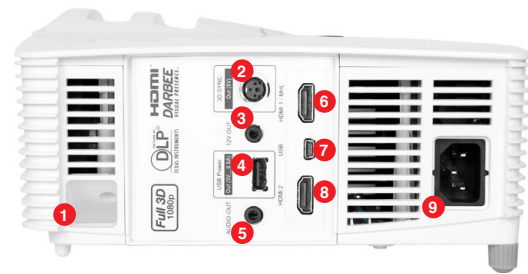
Display Technology	Single 0.65" 1080p chip, DLP® Technology from Texas Instruments
Image Enhancement Processor	Integrated DarbeeVision™ Image Enhancement technology with Deep Color, 30-bit 4:4:4, split screen demo mode, slider demo mode, and 3 enhancement profiles (Hi-Def, Gaming & Full Pop)
Native Resolution	Full HD 1080p: 1920 x 1080 (Video Timing)
Maximum Resolution	Full HD 1080p: 1920 x 1080 (Video Timing)
Maximum Resolution	WUXGA: 1920 x 1200 (Graphics Timing)
Brightness	3000 lumens
Contrast Ratio	30,000:1 (full on/full off)
Displayable Colors	1.07 Billion
Color Wheel	6 Segment; RYGCWB
Lamp Life*	8000/6000/4000 hrs (Bright+Dynamic = ECO+/ECO/Bright)
Projection Method	Front, rear, ceiling mount, table top
Keystone Correction	±40° Vertical and Horizontal
Geometry	4 Corner Adjustment
Uniformity	75%
Offset	116.5%
Aspect Ratio	16.9 (Native), 16:10, 4:3, LBX, Auto
Throw Ratio	1.48~1.62 D/W (±5% variance)
Projection Distance	59"~394"
Image Size (Diagonal)	41.8"~305"
Projection Lens	F=2.5~2.67, f=21.9~24 mm, manual zoom and focus
Optical Zoom	1.1x
Digital Zoom	0.8~2.0
Speaker	One 10-Watt Speaker
Noise Level	29dB
Remote Control	Backlit IR remote control
Operating Temperature	5~ 40°C
Power Supply	Auto-ranging: 100V ~ 240V ± 10%, 50-60Hz
Power Consumption	238W Typical (Bright mode), 262W Max (Bright mode), 195W Typical (Eco mode), 215W 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

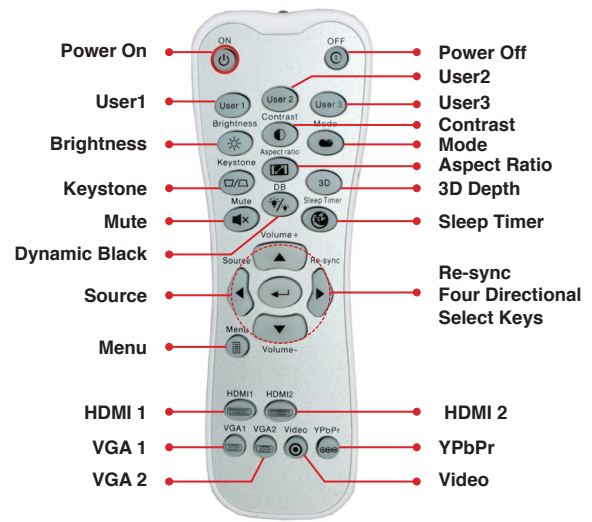
Computer Compatibility	WUXGA, UXGA, SXGA+, WXGA+, WXGA, SXGA, XGA, SVGA, VGA
Video Input Compatibility	NTSC, PAL, SECAM, SDTV (480i), EDTV (480p), HDTV (720p, 1080i/p)
3D Compatibility†	Supports all HDMI 1.4a mandatory 3D formats (Frame pack, side-by-side, top-bottom) and up converts frame rate from 60 Hz to 120 Hz or 24 Hz to 144 Hz (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	24–85 Hz (120 Hz for 3D feature projector)
Horizontal Scan Rate	15.375–91.146 KHz
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 Output	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

*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 either RF or DLP Link active shutter 3D glasses when projector is used with a compatible 3D player. RF 3D glasses require the use of the RF 3D emitter. Please visit www.OptomaUSA.com for more information.



1. Security Bar
2. 3D SYNC
3. 12V Out
4. USB Power (5V out)
5. Audio-Out (3.5 mm)
6. HDMI 1-In (MHL)
7. mini USB (service only)
8. HDMI 2-In
9. Power



PHYSICAL SPECIFICATIONS

Security	Kensington® lock port, security bar, and keypad lock
Weight	5.7 lb (2.6 kg)
Dimensions (W x H x D)	12.4" x 4.5" x 8.8" (315 x 114 x 223 mm)

Warranty

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

In the Box (Standard Accessories)

HD28DSE 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, HD Cast Pro

Accessory Part Numbers

Lamp: SP.77011GC01	Remote: SP.8ZE01GC01
Mount: BM-5001U	Carrying case: SP.8VH03GC01
RF 3D emitter: BC300	RF 3D glasses: ZF2300GLASSES
DLP® Link™ 3D glasses: ZD302	Wireless HDMI system: WHD200
Wireless streaming dongle: HDCastPro-Black	

UPC 796435 81 230 0

www.OptomaUSA.com

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