

HD28DSE

Darbee Special Edition – clearer, sharper and visually stunning

- Full HD 1080p image quality
- Brighter, exciting vivid colours at 3,000 ANSI lumens
- Award winning Darbee Visual Presence™ technology inside
- Easy connectivity - 2x HDMI + MHL support and built-in 10W speaker



HD28DSE

Coming October 2015

Optoma revolutionises home projection with intense detail approaching Ultra HD picture quality. Critically acclaimed Darbee Visual Presence image processing, coupled with Optoma's legendary projection technology dramatically intensifies image quality. This provides the flexibility to fine tune the projector for a clearer, sharper and a simply stunning visual experience. Perfect for movies, gaming and sports.

With two HDMI inputs and built-in speaker the HD28 Darbee Special Edition is easy to setup and use. It can even be turned into a smart projector by connecting a smartphone or tablet with a single cable using MHL to stream videos, play games and share photos on the big screen.

Full HD 1080p

1080p resolution gives you sharp and detailed images from HD content without downscaling or compression; perfect for watching Blu-ray movies, HD broadcasting and playing video games.



Full 3D

Optoma projectors can display true 3D content from almost any 3D source, including 3D Blu-ray players, 3D broadcasting and the latest generation games consoles. Support for 144Hz rapid refresh rate provides ultra-smooth flicker free images.



Gaming mode

Gaming mode optimises your projector for lightning response times, maximum contrast and vivid colours to capture every detail - leaving you time to focus on winning.



MHL

Turn your projector into a smart display by connecting your smartphone or tablet with a single cable using MHL; now you can play games, stream videos and share photos on the big screen.



HDMI Link

HDMI Link lets you to turn on and off two or more HDMI-CEC capable devices using a single remote control.



USB power

Use the USB-Power to power an HDMI dongle, such as Google Chromecast or the Optoma WHD200 wireless HDMI device.

Wireless

Stream Full 1080p 3D content to your projector wirelessly; eliminating the hassle and extra cost of installing long cables, the WHD200 (sold separately) allows you to connect a Blu-ray™ player, set-top box, gaming console or AV receiver instantly.

Integrated speaker

Complete your home entertainment experience with the convenience of a powerful built-in speaker. Built-in speakers provide exceptional sound quality and are easy to set up without the need for costly external speakers.

Horizontal and Vertical keystone + Four corner adjustment

Adjust the keystone on the horizontal and vertical plane or individually warp each corner of the image to create a perfectly square image. Ideal for uneven walls or where projector placement is awkward and needs to be installed at an angle.

DARBEE

Darbee's acclaimed Visual Presence™ patented technology further enhances Optoma projection technology, from Blu-rays to video games, and instantly improves the way it looks. Visual Presence adds more depth and realism delivering a clearer sharper picture by embedding stereoscopic depth information from a human-vision-based model. The image processing is adjustable, giving you the flexibility to customise the visual enhancement to suit your particular taste.



Without DARBEE



With DARBEE



Dynamic Black

This feature gives more depth to your image by smoothly adjusting the lamp output, based on the brightness information of each frame; to create a stunning high contrast ratio. Bright scenes appear crisp and clear, while dark scenes remain detailed with deep blacks and exceptional light and shade detail.



2,000:1

25,000:1

24p

Most movies are shot at 24 frames per second (fps). To preserve the purity of the original image, Optoma projectors can accept high definition sources at 24 fps to display movies exactly as the director intended.

Amazing colours

For vibrant, natural looking images, Optoma projectors incorporate BrilliantColor™ multi-colour processing technology.



without

with

Long lamp life

The expected lifetime of a typical Optoma projector lamp is an impressive 8000 hours; so if you watch a two hour movie every day, the lamp should last for almost 11 years.

Colour guarantee

Enjoy dazzling colours for years to come; guaranteed by Optoma for five years' consistent performance.



HD28DSE Specification

Display Technology	DLP
Native Resolution	1080p 1920 x 1080
Brightness ¹ (Bright Mode)	3000 ANSI Lumens
Contrast	30,000:1
Noise Level (Eco mode)	28dB
Weight (kg)	2.58
I/O Connectors	2 x HDMI (1.4a 3D support) + MHL v1.2, Audio Out 3.5mm, 12V trigger, 3D-Sync, USB-A Power (0.9A), USB service
Computer Compatibility	UXGA, SXGA, WXGA, HD, XGA, SVGA, VGA, Mac
Video Compatibility	1080p, 1080i, 720p, 576i/p, 480i/p
Displayable Colours	1073.4 Million
Projection Lens	F/2.5~2.67; f=21.9~24mm, 1.1x Manual Zoom
Throw Ratio	1.48 - 1.62:1
Projection Screen Size	1.06 - 7.67m (41.8" - 300") Diagonal 16:9
Projection Distance	1.5 - 10m
Zoom Type	1.1x Manual
Aspect Ratio	16:9 Native, 16:10/4:3 Compatible
Offset	116% ±5%
Horizontal Scan Rate	15.375~91.146 KHz
Vertical Scan Rate	24 ~ 85Hz (120Hz for 3D)
Lamp Type	210W
Lamp Life ² Dynamic/Eco/Bright	8000/6000/4000 (hrs)
Keystone Correction	± 40° Vertical and Horizontal
Dimensions (W x D x H) (mm)	315 x 224 x 114
Power Supply	Input: 110 - 220v
Power Consumption	233W Bright mode / 193W Eco mode (< 0.5W Standby)
Operating Conditions	5°C - 40°C, Max. Humidity 85%, Max. Altitude 3000m
Uniformity	80%
Security	Security bar, Kensington lock, password protection
Standard Accessories	AC power cord, remote control, 2x AA batteries, quick start card, CD user manual
Optional Accessories	Wireless 3D system, Wireless 3D glasses, DLP@ Link™ 3D glasses, wireless, ceiling mount
RoHS	Compliant
3D Support	Full 3D - The 3D features of Optoma projectors can only be used with compatible 3D content. Typical applications include use with 3D educational or 3D design and modelling systems. 3D TV broadcast systems, (SKY in the UK), Blu-ray 3D™ and 3D games from the Sony® PS3 or Microsoft® Xbox 360 are now supported as part of the HDMI v1.4a specification.
3D Compatibility	Side-by-Side: 1080i50 / 60, 720p50 / 60 Frame-pack: 1080p24, 720p50 / 60 Over-Under: 1080p24, 720p50 / 60
Speaker	10
Warranty	0
On Screen Display	27 Languages: English, French, German, Spanish, Italian, Portuguese, Dutch, Swedish, Finnish, Greek, Danish, Norwegian, Polish, Russian, Simplified_Chinese, Traditional_Chinese, Korean, Arabic, Japanese, Thai, Hungarian, Czechoslovak, Turkish, Vietnamese, Farsi, Romanian, Indonesian
Optional Wireless	Yes
Input Lag (ms)	0



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¹Lamp based projectors brightness and lifetime will vary depending on selected projector mode, environmental conditions and usage. As is common with all lamp based projectors, brightness will decrease over the lamp lifetime. LED projectors do not have a replaceable lamp and the brightness does not decay significantly over the product lifetime. ²Typical lamp life achieved through testing. Will vary according to operational use and environmental conditions. DLP®, and the DLP logo are registered trademarks of Texas Instruments. All other product names and company names used herein are for identifications purposes only and may be trademarks or registered trademarks of their respective owners. All images of products are for representation purposes only. Whilst every care is taken to provide accurate images of our products, actual products may differ slightly. Some product images may have been digitally altered by us to add an Optoma logo to the front panel. Optoma reserves the right to amend or alter actual product or product images without notice. Some images may have been simulated. Errors and omissions excepted, all specifications are subject to change without notice. Copyright © 2015, Optoma Europe Ltd.

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