EH300

Bright 1080p Projection

- High resolution for stunning images
- Full HD 1080p - 3500 Lumens
- 16W Stereo audio with SRS WOW HD audio processing
- Extensive High Definition digital connectivity - HDMI

Full HD 1080p | Full 3D | SRS WOW HD

EH300

Utilising the latest DLP® technology, the EH300 delivers exceptional crystal-clear Full HD native resolution and immersive 3D visuals.

Producing a stunningly bright image with perfectly balanced vivid colour, crystal clarity and exceptional light and shade detail only possible with a high contrast projector. The EH300 is perfect for projecting a broad range of applications including technical, advertising media and medical uses where detail matters.

Installed or on the move using the included carry bag, the versatile EH300 has a powerful on-board 16W stereo speaker, HDMI connectivity and energy saving features including ECO mode and auto power off saving you both time and money for hassle-free, long-lasting projection.

Lights on viewing

The EH300 produces fantastic images even when the lights are on with 3500 Lumens. Designed to be used in ambient light the high brightness EH300 can be used without even dimming the lights.

Full HD 1080p

Sharper more detailed projection with 1920 x 1080p pixels, perfect for watching Blu-ray movies without downscaling or compression.

Full 3D

Using the inherent speed of DLP technology, The Optoma EH300 Full 3D projector can display true 3D content form almost any 3D display device, including 3D Blu-ray, PS3, Xbox and Sky3D.

Dynamic Black

Dynamic black smoothly adjusts the lamp output automatically, based on the brightness information of each frame; to create a stunning 15,000:1 contrast ratio. Bright scenes are crisp and clear, while dark scenes remain detailed with deep blacks which gives exceptional light and shade detail.

Amazing Colours

The EH300 incorporates BrilliantColor™ multi-colour processing technology to bring stunning, vibrant colour to your screen. You can even fine tune colours for ultimate precision.

Color Guarantee

We are so confident that the EH300 image colour quality will remain as good as the day you bought it that Optoma will guarantee it for five years.

Audio WOW - SRS WOW HD™ Surround Sound

Experience the WOW factor with SRS WOW HD surround sound audio processing to create a more natural audio experience. With a deep, rich bass response. Easy to set up without the need for costly external speakers the EH300 offering exceptional sound quality with powerful on-board 16W stereo audio.

SRS WOW HD Features

- Stereo enhancement which improves dynamic audio performance
- Sculpted bass response for maximum thump from the on-board speakers
- More natural audio with a wider sound field

RS232 Control

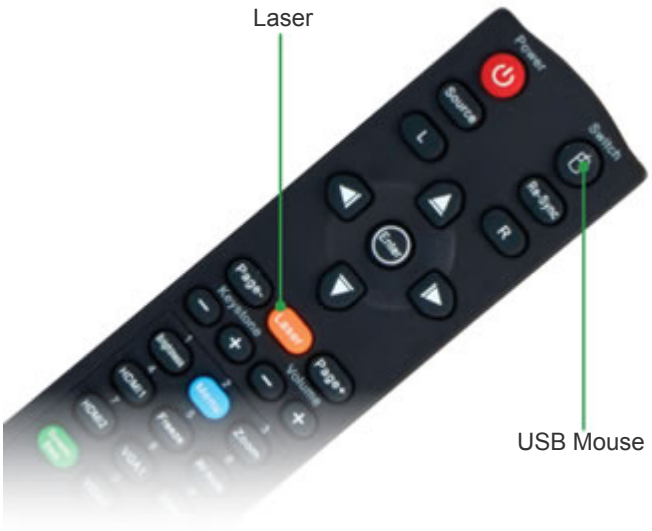
RS232 Compatibility - The EH300 comes with an extensive RS232 command set making it simple and easy to control with any control system.

AMX Compatibility - Dynamic Discovery

Protocol is incorporated into the EH300. This feature allows for easy installation with AMX control systems.

USB Remote Mouse and Laser

Control your presentation with dedicated left and right click mouse buttons on the included remote control. You can also point to things on the screen without having to stand in front of the projected image with the built in laser pointer (USB cable required).



Auto Power Off

There may be instances when the projector is left running when not in use. To help save energy if the projector is left running and no source is detected, the "Auto Power Off" feature automatically turns off the projector after a set period of time.

Eco AV Mute

Stay in control of your presentation with the Eco AV mute feature. Direct your audience's attention away from the screen by blanking the image when no longer needed. This also instantly reduces the power consumption to 30%, further prolonging the life of your lamp

Eco AV mute off
100% power consumption

Eco AV mute on
30% power consumption

Long Lamp Life

Reduce the total cost of ownership with a lamp life of up to 6000 hours. The EH300 uses Dynamic Black technology to significantly lower the cost and number of lamp replacements.

We know that improving our products is the best way to reduce our impact on the environment. That's why at Optoma we design our products to have a long usable life, use fewer materials, ship with the minimum packaging and be free of all possible toxic substances. Naturally, energy efficiency and being recyclable are built in at the design stage. With each new product, we strive towards minimising our environmental impact.

EH300 Specification

Display Technology	Single 0.65” 1080p DC2 DMD chip DLP® Technology by Texas Instruments
Native Resolution	1080p 1920 x 1080
Brightness - BRIGHT mode[1]	3500 ANSI Lumens
Contrast	15,000:1
Noise Level	26dB (min)
Weight	3.1 kg
I/O Connectors	Inputs: 2x HDMI v1.4a 3D, 2x VGA (PC/YPb-Pr), Composite Video, 2x Audio In 3.5mm stereo socket Outputs: VGA, Audio Out 3.5mm stereo socket, 3D-Sync Out (3-Pin VESA) Control: RS232, USB (remote mouse)
Preset Mode	PC: For computer or notebook (Brightest image) Movie: Maximum contrast and Colour accuracy Game: Bright vivid colour sRGB: For Standard PC Colour (Best Colour Reproductiion) User: Memorises user's settings
Maximum Resolution	Full HD 1920 x 1080
Computer Compatibility	UXGA, SXGA+, WXGA, HD, XGA, SVGA, VGA, Mac
Video Compatibility	PAL (B, D, G, H, I, M, N, 576i/p), NTSC (M, 4.43/3.58 MHz, 480i/p), SECAM (B, D, G, K, K1, L) HD (1080i, 720p)
Displayable Colours	1073.4 Million
Projection Lens	F/2.55~2.87; f=22.41~26.82mm, 1.2x Manual Zoom
Throw Ratio	1.5 - 1.8:1, Offset - 116%
Projection Screen Size	0.77 – 9.19m (30.15” - 361.75”)
Projection Distance	1.2 - 10 metres
Horizontal Scan Rate	15 - 91kHz
Vertical Scan Rate	25 - 85Hz (120Hz for 3D)
Lamp Type/Lamp Life[2]	6000/4000 hours (ECO/BRIGHT mode)
Keystone Correction	± 40° Vertical
Audio	16W stereo (2x8W) SRS WOW HD audio processing
Dimensions (W x D x H)	324 x 234 x 97mm
Remote Control	Full function remote with laser pointer, mouse control and direct source selecting
Power Supply	100-240V, 50-60Hz
Power Consumption	297W BRIGHT mode < 0.5W Standby mode, 241W ECO mode < 0.5W Standby mode
Operating Conditions	5°C - 40°C, Max. Humidity 85%, Max. Altitude 3000m
Uniformity	80%
Security	Security Bar, Kensington Lock, Password Protection
Standard Accessories	Carry Bag, Lens Cover, AC Power Cord, VGA Cable, Infra Red Remote Control with Batteries, Quick Start Card, CD User Manual, Warranty Card
Optional Accessories	Ceiling Mount Kit
RoHS	Compliant
3D Support	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 Viewing	Requires Optoma ZD301 DLP-Link shutter glasses or Optoma ZF2100 system & glasses - available separately.
3D Compatibility	Side-by-Side:1080i50 / 60, 720p50 / 60 Frame-pack: 1080p24, 720p50 / 60 Over-Under: 1080p24, 720p50 / 60
Offset	116%

EH300 Remote Control

3D control

1. Power
2. Mouse select
3. Source
4. Re-sync
5. Left mouse click
6. Right mouse click
7. Mouse control
8. Laser
9. Page up/down control
10. Vertical keystone correction
11. Volume control
12. Brightness
13. Menu
14. Direct input source select
15. Eco AV mute
16. Dynamic Black
17. 3D control

EH300 Connections

18. USB Service
19. HDMI 1 (1.4a 3D)
20. HDMI 2 (1.4a 3D)
21. Composite Video
22. VGA 1 In
23. VGA 1 Out
24. Audio In (VGA 1/2)
25. Audio Out
26. 3D-Sync
27. VGA 2 In
28. RS232
29. Audio In (Video)
30. Kensington™ Lock

Projection Distance 1.2 - 12m (16.9 Aspect Ratio)

Projection Distance (m)	Max. Horizontal Image Size (m)	Min. Horizontal Image Size (m)	Max. Vertical Image Size (m)	Min. Vertical Image Size (m)	Max Diagonal Image Size (m)	Max Diagonal Image Size (inch)	Max. Image Offset (m)
1.20	0.80	0.67	0.45	0.38	0.92	36.18	0.07
2.00	1.33	1.11	0.75	0.63	1.53	60.29	0.12
2.50	1.67	1.39	0.94	0.78	1.91	75.36	0.15
3.00	2.00	1.67	1.13	0.94	2.30	90.44	0.18
4.00	2.67	2.22	1.51	1.26	3.06	120.58	0.24
5.00	3.33	2.78	1.88	1.57	3.83	150.73	0.30
6.00	4.00	3.33	2.26	1.88	4.59	180.88	0.36
7.00	4.67	3.89	2.64	2.20	5.36	211.02	0.42
8.00	5.33	4.44	3.01	2.51	6.13	241.17	0.48
9.00	6.00	5.00	3.39	2.82	6.89	271.31	0.54
10.00	6.67	5.56	3.77	3.14	7.66	301.46	0.60
11.00	7.33	6.11	4.14	3.45	8.42	331.61	0.66
12.00	8.00	6.67	4.52	3.77	9.19	361.75	0.72

Optoma Europe Ltd.

42 Caxton Way, Watford Business Park, Watford, Hertfordshire, UK. WD18 8QZ

www.optoma.co.uk

[1]Brightness 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. [2]Typical lamp life achieved through testing. Will vary according to operational use and environmental conditions. [3]Optoma guarantees that in normal use, Optoma DLP® colour quality will be indistinguishable from when new. Exclusions: (a) Guarantee is voided if the projector is subject to damage through misuse. (b) Guarantee may be void in industrial or commercial entertainment environments where dust or smoke is excessive (c) Guarantee will not apply if lamp brightness is below 50% due to wear or if the projector is not working due to other faults. (d) Over time worn lamps within all projector types will show a slight colour variance. Copyright © 2012, Optoma Europe Ltd. All other product names and company names used herein are for identification purposes only and may be trademarks or registered trademarks of their respective owners. DLP®, BrilliantColor™ and the DLP logo are registered trademarks of Texas Instruments. SRS is a trademark of SRS Labs, Inc. WOW technology is incorporated under license from SRS Labs, Inc. Some images may be simulated. 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 be simulated.

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