

# W304M

DLP® Projector

## Lightweight widescreen projector



Light weight & portable - only 1.4 kg



3100L - Bright, vibrant projection



Widescreen HD ready, native WXGA resolution



Sharp detailed images with a 10,000:1 contrast ratio



Full 3D



Present from a mobile device: Laptop / Mac, Tablet PC, Smartphone



# W304M

## Lightweight, Widescreen and HD Ready

Ideally partnered with a widescreen notebook, HD sources or a mobile device, the W304M delivers bright vivid presentations and videos in the office or on the road.

Weighting only 1.4kg this travel-friendly projector incorporates a staggering 3100 ANSI Lumens allowing you to project bright, crystal clear presentations during the day, leaving your audience speechless every time the projector is turned on.

Being small doesn't mean that you miss out on specification though, the W304M incorporates a built in speaker, HDMI connectivity, Full 3D technology and optional wireless capabilities allowing you to project wirelessly from a laptop or mobile device. It also comes with a convenient carry bag for easy transportation.

Projecting with laptops, Macs or even tablets has never been so easy.

### ULTRA PORTABLE

At only 1.4kg, the W304M is ultra light and ultra portable, coupled with the included carry case make it ideal for presentations on the go.



### BRIGHTNESS WHERE IT MATTERS

Room lighting can be unpredictable for the business traveller; you never know what to expect. The W304M has a powerful lamp producing 3100 ANSI Lumens, so you can be sure your presentation will be bright and clear.



### RAPID SHUT DOWN

Pack up your projector and go after 10 seconds from pressing the power button with rapid shutdown, saving you both time and money.



### USB REMOTE MOUSE & 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).

### CLEAR, FOCUSED IMAGES

Be sure to have your audience's attention during a presentation with a stunning 10,000:1 contrast ratio for pin sharp graphics and crystal clear text. Crisper whites and ultra-rich blacks makes images come alive and text easier to read - ideal for business and education presentations and the occasional movie.

WITHOUT 1000:1 contrast ratio      WITH 10,000:1 contrast ratio



\*Simulated Image

### FULL 3D READY

Using the inherent speed of DLP technology, The Optoma W304M. Full 3D projector can display true 3D content from any 3D display device, such as 3D Blu-ray, PS3, Xbox and Sky3D.

## TRUE WXGA RESOLUTION

The W304M is the perfect companion for widescreen laptops. Your presentations will appear as sharp and detailed as they do on your widescreen laptop in WXGA (1280 x 800) resolution. WXGA resolution gives 30% more pixels than XGA.



## AMAZING COLOURS

The W304M incorporates BrilliantColor™ technology to produce stunningly bright images with perfectly balanced life-like colours.

## COLOUR GUARANTEE

We are so confident that the W304M image colour quality will remain as good as the day you bought it that Optoma will guarantee it for five years.



## ENVIRONMENTALLY FRIENDLY

The W304M incorporates energy saving features to conserve power and extend the lamp life up to 5000 hours. This includes Eco mode, for reduced power consumption during operation, a sleep timer which when activated will automatically switch off the projector if it is accidentally left on when no longer required and a <0.5W standby mode which will ensure the minimum energy consumption when the projector is not being used.

## Present from a mobile device



## WIRELESS PRESENTING (OPTIONAL EXTRA)

Making presentations couldn't be easier using the optional wireless features of the W304M. Using the Wireless Adapter you can connect and display presentational material wirelessly from a laptop, PC or mobile device.



Easily connect to a smart phone, table PC, laptop or even a PC via HDMI for a hassle free single cable presentation solution.†

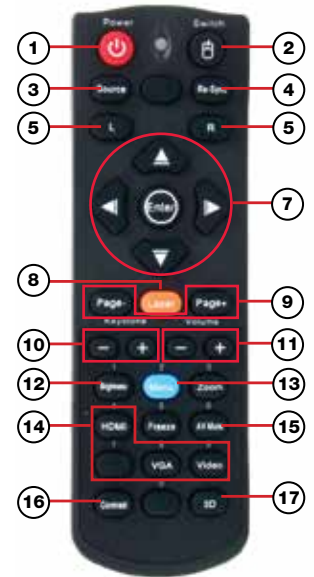
## W304M SPECIFICATIONS

Display Technology	Single 0.65" WXGA DC2 DMD chip DLP® Technology by Texas Instruments
Native Resolution	WXGA 1280 x 800
Brightness - BRIGHT mode <sup>1</sup>	3100 ANSI Lumens
Contrast	10,000:1
Noise Level	33dB (min)
Weight	1.4 kg
I/O Connectors	HDMI (v1.4a 3D), 15 Pin D-sub (RGB/YpPr), Composite, Audio In, Audio Out, USB (remote mouse)
Maximum Resolution	WXGA+ 1680 x 1050
Computer Compatibility	UXGA, SXGA, 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, 1080p)
Displayable Colours	134.2 Million
Projection Lens	F/2.55~2.72; f=21.3~24.5mm, 1.15x Manual Zoom
Throw Ratio	1.53 - 1.76:1 (Projection Distance:Image Width)
Projection Screen Size	0.68m – 6.54m 31.65" – 303.44") Diagonal 16:10
Projection Distance	1.5 - 10 metres
Horizontal Scan Rate	15.375 - 91.146kHz
Vertical Scan Rate	24 - 85Hz
Lamp Type/Lamp Life <sup>2</sup>	220W, 5000/4000 hours (ECO/BRIGHT mode)
Keystone Correction	± 30° Vertical
Audio	1W
Dimensions (W x D x H)	220 x 178 x 71mm
Remote Control	Full function remote with remote mouse, laser pointer and direct source selecting
Power Supply	100-240V, 50-60Hz
Power Consumption	280W BRIGHT mode < 0.5W Standby mode, 230W ECO mode < 0.5W Standby mode
Operating Conditions	5°C - 40°C, Max. Humidity 85%, Max. Altitude 3000m
Uniformity	85%
Security	Kensington Lock, Password Protection
Standard Accessories	Carry Bag, AC Power Cord, VGA Cable, Infra Red Remote Control with Batteries, Quick Start Card, CD User Manual, Warranty Card
Optional Accessories	Ceiling Mount Kit, Wireless adapter
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 the Optoma ZD301 DLP-Link shutterglasses - available separately.
3D Compatibility	Side-by-Side: 1080i50 / 60, 720p50 / 60 Frame-pack: 1080p24, 720p50 / 60 Over-Under: 1080p24, 720p50 / 60
Offset	123%

## EASY TO USE REMOTE CONTROL

### W304M Remote 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 Selection
- 15 Eco AV mute
- 16 Contrast
- 17 3D control



### W304M Connections

- 18 USB (remote mouse)
- 19 Audio In
- 20 Audio Out
- 21 Composite
- 22 VGA In
- 23 HDMI
- 24 Kensington™ Lock

## Exceptional Connectivity / Multiple Terminals



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. For full details of Optoma Project Green please visit our website.

## W304M Projection Distance 1.2 - 12m (16:10 Aspect Ratio)

Projection Distance (m)	Max. Horizontal Image Size (m)	Min. Horizontal Image Size (m)	Max. Screen Height (m)	Min. Screen Height (m)	Max Diagonal Image Size (m)	Max Diagonal Image Size (inch)	Max. Image Offset (m)
1.20	0.78	0.68	0.49	0.43	0.92	36.41	0.06
2.00	1.31	1.14	0.82	0.71	1.54	60.69	0.10
2.50	1.63	1.42	1.02	0.89	1.93	75.86	0.12
3.00	1.96	1.70	1.23	1.07	2.31	91.03	0.15
4.00	2.61	2.27	1.63	1.42	3.08	121.38	0.20
5.00	3.27	2.84	2.04	1.78	3.85	151.72	0.25
6.00	3.92	3.41	2.45	2.13	4.62	182.07	0.29
7.00	4.58	3.98	2.86	2.49	5.40	212.41	0.34
8.00	5.23	4.55	3.27	2.84	6.17	242.76	0.39
9.00	5.88	5.11	3.68	3.20	6.94	273.10	0.44
10.00	6.54	5.68	4.08	3.55	7.71	303.44	0.49

For guide purposes only

W304M capable of 4:3 and 16:9 aspect ratio projection. When projecting a 4:3/16:9 image the image sizes, screen height and offset information will differ from the above.

### Optoma Europe Ltd.

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

[www.optoma.co.uk](http://www.optoma.co.uk)



<sup>1</sup>Connecting to a smart phone or tablet PC may require extra cables and/or adapters. <sup>2</sup>Brightness will vary depending on the selected projector mode, environmental conditions and usage. As is common with all lamp based projectors, brightness will decrease over the lamp lifetime. <sup>3</sup>Typical lamp life achieved through testing and will vary according to operational use and environmental conditions. Copyright © 2013, 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. Errors and omissions excepted, all specifications are subject to change without notice. DLP®, BrilliantColor™ and the DLP logo are registered trademarks of Texas Instruments. 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, product specifications or product images without notice. Some images may be simulated.