

## W504

Bright and versatile

- Installation flexibility – Vertical lens shift and 1.6x zoom
- 5000 lumens, WXGA resolution
- Ultimate Control - Crestron, Extron, AMX, PJ-Link and Telnet LAN commands
- Horizontal keystone and four corner adjustment





## W504

Designed for professional installation environments, the powerful high-specification W504 projector boasts a brightness of 5,000 lumens and features multiple digital connection options, with two HDMI inputs on rear and one hidden HDMI for the optional HDCast Pro dongle. For more complex installations, this projector is equipped with a large zoom range, vertical lens shift and a built-in geometric adjustment feature - ideal for uneven walls or where a projector placement is awkward and needs to be installed at an angle.

### High contrast

Add more depth to your image with a high contrast projector; with brighter whites and ultra-rich blacks, images come alive and text appears crisp and clear - ideal for business and education applications.



### 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.



### Integrated speaker

The built-in speaker offers excellent audio support. Easy to set up without the need for costly external speakers.

### Energy saving

Using the specially designed lamp modes, you can reduce the power consumption by up to 70%. Each mode also has a positive effect on the lamp life, while lowering the total cost of ownership and reducing maintenance.

### 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 Eco AV mute. Direct your audience's attention away from the screen by blanking the image when no longer needed. This also reduces the power consumption by up to 70%, further prolonging the life of your lamp.



### Vertical lens shift

Simplify installation with vertical lens shift, which provides a wider range of projector placement possibilities. This makes it easier to position the projector in your room and enables a wider range of screen size options.

### Four corner adjustment

Individually warp each corner of the image to create a perfectly square image. Ideal for image stacking, uneven walls or where projector placement is awkward and needs to be installed at an angle.

### Large zoom range

A large zoom range enables multiple placement possibilities at a variety of distances from the projection screen. An advantage to this is that expensive interchangeable lens projectors can be substituted with a more cost effective solution whilst still retaining a diverse choice of positioning options.

## MHL

Turn your projector into a smart display by connecting your smartphone or tablet with a single cable using MHL, enabling you to view presentations and documents, stream videos and share photos on the big screen.



## Networking and control

Featuring a wide range of options you can remotely control and monitor the projector.

### RS232

Optoma projector's come with an extensive set of RS232 commands making it simple and easy to manage using any control system.

### AMX Compatibility

Dynamic discovery protocol is incorporated into the projector allowing for easy installation with AMX control systems.

### LAN Control

- Using the compatible RoomView® software you can power on/off, monitor, manage and control up to 250 projectors at the same time from any computer.
- Schedule the projectors to power on/off.
- Control and alter the projector settings using the simple web browser.
- Emergency text broadcast capabilities for urgent or important announcements.
- Automatically receive email updates for lamp maintenance.



## Colour Guarantee

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



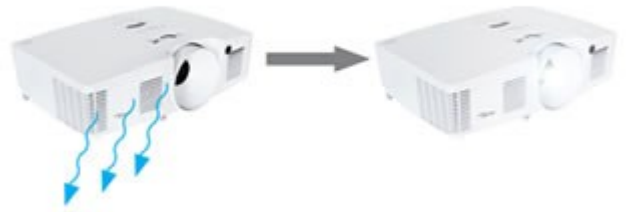
## Amazing Colour

Give powerful presentations and educational lessons with stunning colours. Optoma projectors provide you with reliable colour performance suitable for any content and environment. From accurate sRGB colours for true life like images to vibrant punchy presentations. We have a display mode to specific meet your needs.



## Quick resume

This feature allows the projector to be instantly powered on again, if it is accidentally switched off.



## USB power

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

## Specification

|  |  |
|--|--|
| Display Technology                             | Single 0.65" WXGA DLP® Technology by Texas Instruments   |
| Native Resolution                              | WXGA 1280 x 800  |
| Brightness <sup>1</sup> (Bright Mode)          | 5000 ANSI Lumens   |
| Contrast                                       | 15,000:1   |
| Lamp Life <sup>2</sup> Eco+/Dynamic/Eco/Bright | 5000/4500/4000/3000 (hrs)  |
| Throw Ratio                                    | 1.48 - 2.35, Offset: 96.2%~112.4%  |
| Zoom Type                                      | 1.5x Manual  |
| Lens Shift                                     | +16.2% Vertical  |
| I/O Connectors                                 | 3xHDMI (1.4a 3D support) + MHL, VGA (YPbPr/RGB), Composite, 2 x Audio In 3.5mm, VGA out, Audio Out 3.5mm, RS232, RJ45, USB-A Power (1.5A), 3D-Sync, USB mouse/service  |
| Speaker (Watts)                                | 32   |
| Keystone Correction                            | ± 30° Vertical, ± 30° Horizontal   |
| Weight (kg)                                    | 4.6  |
| Dimensions (W x D x H) (mm)                    | 369 x 295 x 132  |
| Aspect Ratio                                   | 16:10 Native, 16:9/4:3 Compatible  |
| Offset   | 96.2%~112.4%   |
| Projection Screen Size                         | 0.68 – 7.65m (25.66" - 301.15") Diagonal 16:10   |
| Projection Distance                            | 1.3 - 9.6m   |
| Projection Lens                                | F/2.5~3.26; f=20.91~32.63mm, 1.6x Manual Zoom  |
| Uniformity                                     | 85%  |
| Computer Compatibility                         | UXGA, SXGA+, HD, WXGA, XGA, SVGA   |
| Video Compatibility                            | PAL SECAM 576i/p, NTSC 480i/p, HD 720p/1080i/1080p   |
| 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<br>Frame-pack: 1080p24, 720p50 / 60<br>Over-Under: 1080p24, 720p50 / 60  |
| Horizontal Scan Rate                           | 15.375~91.146 KHz  |
| Vertical Scan Rate                             | 24 ~ 85Hz (120Hz for 3D)   |
| Displayable Colours                            | 1.07 Billion   |
| Noise Level (Eco mode)                         | 30dB   |
| Power Supply                                   | 100-240V, 50-60Hz  |
| Power Consumption                              | 365W Bright mode / 287W Eco+ mode (<0.5W Standby)  |
| Lamp Type                                      | 310W   |
| Security                                       | Kensington Lock, Password Protection   |
| On Screen Display                              | 19 Languages: English, German, French, Italian, Spanish, Portuguese, Polish, Dutch, Russian, Finnish, Swedish, Greek, Norwegian/Danish, Hungarian, Czech, Arabic, Turkish, Farsi, Romanian   |
| 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  |
| Optional Wireless                              | Yes  |
| RoHS   | Compliant  |
| Colour Guarantee                               | 5 Years  |



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Brightness and lamp 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. Typical lamp life achieved through testing. Will vary according to operational use and environmental conditions. 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. 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 © 2015, 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. Crestron®, the Crestron and RoomView® logo are registered trademarks of Crestron Electronics, Inc. Errors and omissions excepted, all specifications are subject to change without notice. DLP®, BrilliantColor™ and the DLP logo are registered trademarks of Texas Instruments. Some images may be simulated.

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