

## ML1500e

## Ultra-slim portable LED Projector

- “PC-free” viewing - Built in media player and office viewer
- 6W Stereo audio with SRS WOW HD audio processing
- Optional Wireless
- Slim & Lightweight 1.4kg



## ML1500e

Introducing the all new ML1500e ultra-slim portable LED projector. This powerful, lightweight and portable projector projects vibrant HD ready images up to an impressive 100". Weighing only 1.4kg and supplied with a carry bag you can easily transport it between meetings.

Packed full of features the ML1500e incorporates a media player, native office viewer and built-in speakers with SRS WOW audio processing. It also includes an SD card slot, USB connection and optional wireless capabilities providing you with ultimate flexibility. Perfect for viewing Microsoft Office & Adobe PDF files, photos and videos.

Using the latest "Lamp-free" technology for exceptional colour fidelity, reliability and longevity, the Optoma LED ultra-slim portable projector is your perfect entertainment and business partner.

### Media Player and Native Office Viewer

Play videos, photos, Microsoft Office\* & Adobe PDF files directly from an SD card or USB stick and view them directly on the projector without the need to connect the projector to a laptop, PC or DVD player. \*powerpoint animations not supported



### Ultra-Slim

Weighing only 1.4kg, the ML1500e is ultra light and slim. Coupled with the included carry case make it ideal for presentations on the go.



### Wireless Presentations

Present from your phone or tablet using the free App: MirrorOp Presenter. Available for both Android and iOS devices, MirrorOp Presenter gives you the freedom to wirelessly share and present documents and photos stored on your mobile device. Creating a more connected and collaborative experience for everyone.

Instantly connect and display presentation material wirelessly from a PC, Mac or mobile device using the optional mini WiFi dongle which connects discreetly to the USB port on your ML1500e, bringing you seamless wireless connectivity in a highly portable package. Enjoy big-screen presentations streamed to your projector, cable-free.

### Audio WOW - SRS Wow HD™ Surround Sound

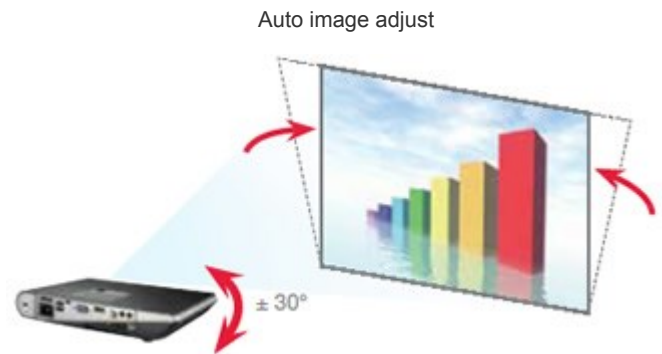
Embrace the WOW factor with SRS WOW HD surround sound audio processing to create a more natural audio experience with a deep, rich bass response. Easy to set up without the need for costly external speakers, this projector offers exceptional sound quality with on-board stereo audio.

### 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

### Auto Keystone

Digital keystone correction helps ensure that the projected image will always fit the area on which you are projecting.



### 3D Ready

Using the inherent speed of DLP® technology, Optoma 3D Ready projectors can output video and images at an astonishing rate of 120Hz, allowing you to show full screen, full colour, stereoscopic 3D. Useful for both professionals and educators alike, the ML1500e brings both teaching and design to a whole new level of immersion and excitement.



## 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.



## Photos

Insert the SD card straight from your phone or camera to instantly share memories with small or large groups, without the need for extra cables. Alternatively leave a slideshow with audio running in the background before kicking off a meeting, to whet your audiences' appetite and stimulate discussion.

## Videos

Sit back after a long day to enjoy your favourite movies... without the need for file conversion; the ML1500e directly supports all the most popular video & music file formats and being both HD-Ready and LED, you can also be sure of vibrant colours, depth and clarity that will not disappoint.

## Presentation and Documents

With native support for Microsoft Office and Adobe PDF files, you can simply save your work onto an SD card\* or USB memory stick\* and you are ready to go.



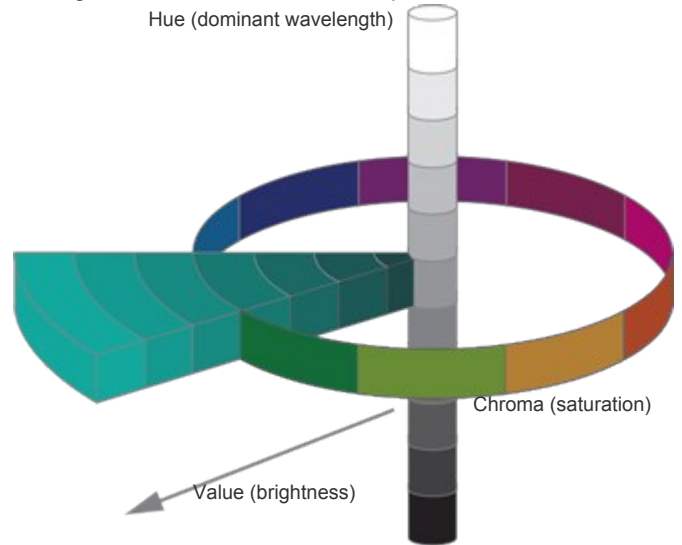
\*SD Card & USB memory stick not included. Connection to some devices may require additional cables, available separately. Supports up to 32GB.

## LED Technology

Powered by LED's, the ML1500e delivers a wide colour gamut, superior colour saturation and outstanding brightness using separate Red, Blue and Green LEDs to produce intense yet accurate colours.

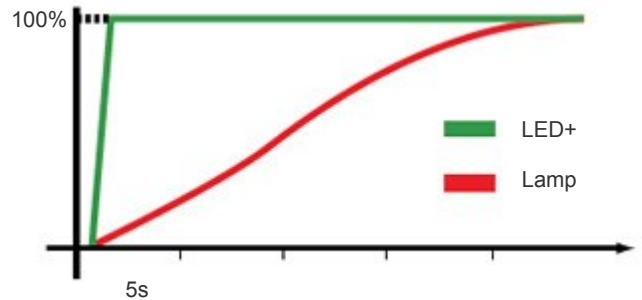
In many situations the perceived brightness of LED projectors can be up to twice the brightness of an equivalent lamp-based projector. LED brightness\* specifications allow for a better comparison against lamp-based projectors, which do not take advantage of the enhanced brightness perception the Helmholtz-Kohlrausch (HK) effect creates.

Finally, the lamp-less LED illumination engine that powers the ML1500e does not require the inconvenience and cost of frequent lamp changes to maintain its optimal performance. It also doesn't need lengthy warm-up and cool down cycles before and after every viewing due to its almost instant start up and shut down times.



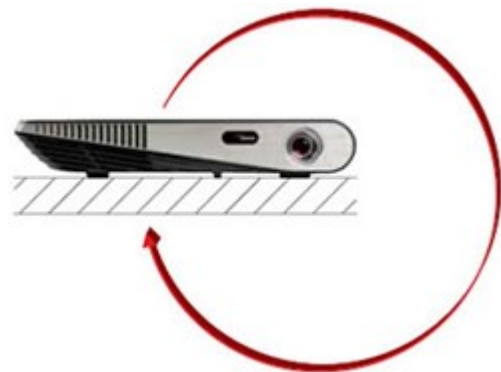
## Instant On/Off

Quickly setup and pack up with instant power On/Off. LED technology allows the projector to be a full brightness in seconds.



## Digital Signage

Built-in digital signage function. Perfect for digital signage applications such as advertising and museum demos.





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.

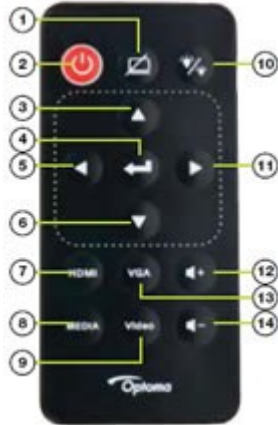
## ML1500e Specification

|                                       |   |
|---------------------------------------|---|
| Display Technology                    | Single 0.45" WXGA DMD Chip DLP® Technology by Texas Instruments   |
| Native Resolution                     | WXGA 1280 x 800   |
| Brightness <sup>1</sup> (Bright Mode) | 1500 LED Brightness*  |
| Contrast                              | 20,000:1  |
| Lamp Life <sup>2</sup> Bright         | 20,000 hours LED Life (hrs)   |
| Throw Ratio                           | 1.4:1   |
| I/O Connectors                        | HDMI, VGA (YPbPr/RGB), Composite, Audio In 3.5mm, Audio Out 3.5mm, SD card slot, 2 x USB-A reader/wireless, micro USB   |
| Speaker (Watts)                       | 6W stereo (2x3W) SRS WOW HD Audio   |
| Keystone Correction                   | ±40° Vertical (Auto)  |
| Weight (kg)                           | 1.4   |
| Dimensions (W x D x H) (mm)           | 270 x 170 x 42  |
| Aspect Ratio                          | 16:10 Native, 16:9/4:3 Compatible   |
| Offset                                | 105%  |
| Projection Screen Size                | 0.43 - 2.54m (17" - 100") Diagonal 16:10  |
| Projection Distance                   | 0.52 - 3.00 metres  |
| Projection Lens                       | F/1.5; f=13.92mm, Fixed   |
| Uniformity                            | 85 %  |
| Video Compatibility                   | PAL, NTSC M/J, 3.58MHz, 4.43MHz, 480i, 480p, 576i, 576p, 720p, 1080i  |
| 3D Support                            | 3D Ready - 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 Compatibility                      | SVGA 120Hz<br>XGA 120Hz   |
| Horizontal Scan Rate                  | 49.64 kHz   |
| Vertical Scan Rate                    | 50 – 120Hz  |
| Displayable Colours                   | 1073.4 Million  |
| Noise Level (Eco mode)                | 30dB  |
| Power Supply                          | 100-240V, 50-60 Hz  |
| Power Consumption                     | 145W Bright mode (< 0.5W Standby)   |
| Lamp Type                             | LED   |
| Operating Conditions                  | 5 - 35°C, 85% Humidity (Max), 2500m Altitude (Max)  |
| Security                              | Kensington lock   |
| On Screen Display                     | 12 Languages: English, French, Spanish, Portuguese (Brazilian), German, Russian, Italian, Polish, Dutch, Swedish, Greek, Turkish  |
| Standard Accessories                  | Carry bag, AC power cord, HDMI cable, remote control, battery, quick start card   |
| Optional Accessories                  | DLP® Link™ 3D glasses, wireless, ceiling mount  |
| Optional Wireless                     | Yes   |
| Warranty                              | 2 Years   |
| Warranty                              | 2   |
| RoHS                                  | Compliant   |
| Features                              | Native office viewer, media player, LED light source, optional wireless presenting  |

## Easy To Use Remote Control

### MI1500e Remote Control

1. Hide Button
2. Power Button
3. Up Button
4. Ok Button
5. Left Button
6. Down Button
7. HDMI Button
8. Media Button
9. Video button
10. LED Mode Button
11. Right Button
12. Volume Up Button
13. VGA Button
14. Volume Down Button



### ML1500 Connections

15. SD Card Slot
16. USB-A
17. Micro USB
18. VGA
19. HDMI
20. Composite Video
21. Audio In
22. Audio Out
23. Kensington™ lock
24. Power
25. USB-A

### Exceptional Connectivity / Multiple Terminals



### Projection distance 0.52 - 3m (16:10 Aspect ratio)

| Projection Distance (m) | Max. Horizontal Image Size (m) | Max. Vertical Image Size (m) | Max Diagonal Image Size (m) | Max Diagonal Image Size (inch) |
|-------------------------|--------------------------------|------------------------------|-----------------------------|--------------------------------|
| 0.52                    | 0.37                           | 0.23                         | 0.44                        | 17.24                          |
| 1.00                    | 0.71                           | 0.45                         | 0.84                        | 33.16                          |
| 1.50                    | 1.07                           | 0.67                         | 1.26                        | 49.74                          |
| 2.00                    | 1.43                           | 0.89                         | 1.68                        | 66.32                          |
| 2.50                    | 1.79                           | 1.12                         | 2.11                        | 82.91                          |
| 3.00                    | 2.14                           | 1.34                         | 2.53                        | 99.49                          |

for guide purposes only

MI1500e is capable of 4:3 aspect ratio projection. When projecting a 4:3 image the image sizes, screen height and offset information will differ from the above



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\*The quoted LED Brightness rating is based on the perceived equivalent ANSI lumen brightness of a standard lamp projector. The LED brightness rating takes into account the Helmholtz–Kohlrausch (HK) effect on the perceived brightness of colours. 1Brightness will vary depending on selected projector mode, environmental conditions and usage. As is common with all projectors, brightness will decrease over the lamp lifetime. 2Typical light source achieved through testing. Will vary according to operational use and environmental conditions. 3Optoma 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 © 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. is a trademark of SRS Labs, Inc. WOW technology is incorporated under license from SRS Labs, Inc. 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. 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.

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