

## ML1500

## 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

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*Where Projectors Roam Free*



## ML1500

Introducing the all new ML1500 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 ML1500 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.



### Ultra-Slim

Weighing only 1.4kg, the ML1500 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: WiFi-Doc. Available for both Android and iOS devices, WiFi-Doc 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 ML1500, 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

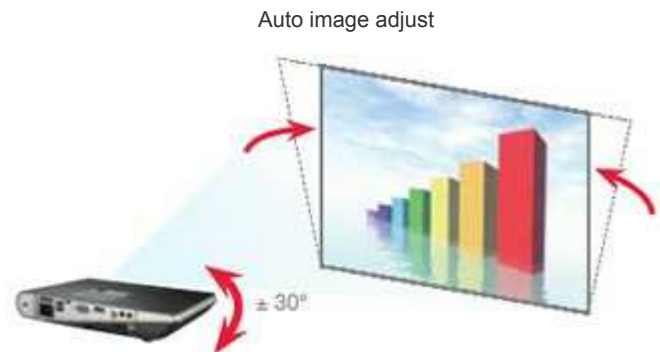
Embrace the WOW factor with SRS WOW HD surround sound audio processing to create a more natural audio experience with a deep, rich bass response. Easy to set up without the need for costly external speakers the ML1500 offers exceptional sound quality with on-board 6W stereo audio.

### 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 ML1500 brings both teaching and design to a whole new level of immersion and excitement.



## Colour Guarantee

We are so confident that the ML1500 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 ML1500 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.



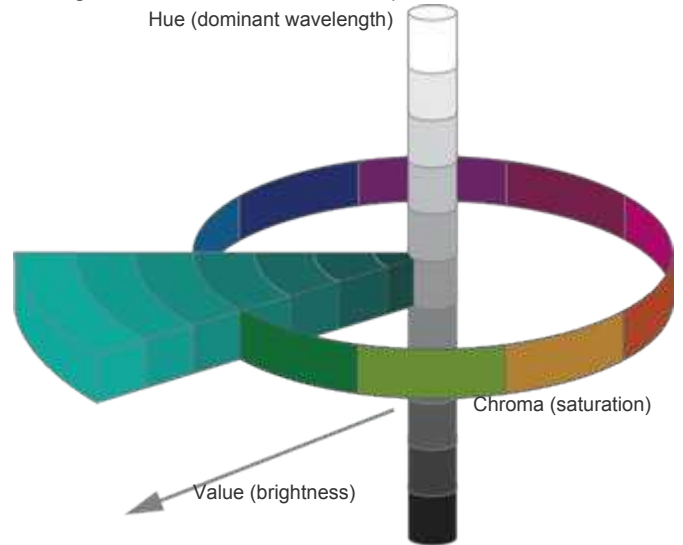
\*SD Card & USB memory stick not included. Connection to some devices may require additional cables, available separately.

## LED Technology

Powered by LED's, the ML1500 delivers a wide colour gamut, superior colour saturation and outstanding brightness using separate Red, Blue and Green LEDs to produce intense yet accurate colours.

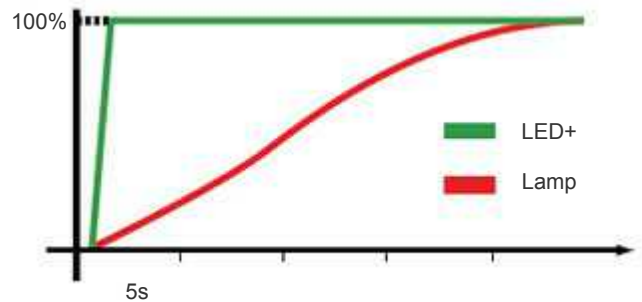
In many situations the perceived brightness of LED projectors can be up to twice the brightness of an equivalent lamp-based projector. LED brightness\* specifications allow for a better comparison against lamp-based projectors, which do not take advantage of the enhanced brightness perception the Helmholtz-Kohlrausch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

Finally, the lamp-less LED illumination engine that powers the ML1500 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.



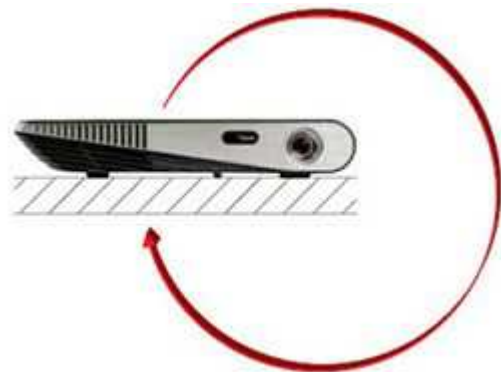
## Instant On/Off

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.

Available At

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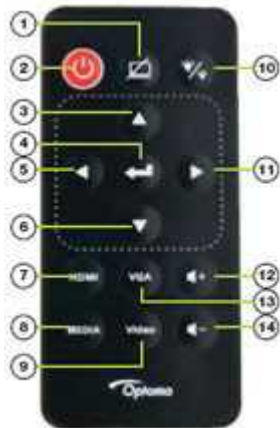
## ML1500 Specification

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	15,000:1
Noise Level (Eco mode)	30dB
Weight (kg)	1.4
I/O Connectors	HDMI, VGA (YPbPr/RGB), Composite, Audio In 3.5mm, Audio Out 3.5mm, SD-slot, 2 x USB Type A (Reader/Wireless), micro USB
Video Compatibility	PAL, NTSC M/J, 3.58MHz, 4.43MHz, 480i, 480p, 576i, 576p, 720p, 1080i
Displayable Colours	1073.4 Million
Projection Lens	F/1.5; f=13.92mm, Fixed
Throw Ratio	1.4:1
Projection Screen Size	0.43 - 2.54m (17" - 100") Diagonal 16:10
Projection Distance	0.52 - 3.00 metres
Aspect Ratio	16:10 Native, 16:9, 4:3 Compatible
Offset	105%
Horizontal Scan Rate	49.64 kHz
Vertical Scan Rate	50 – 120Hz
Lamp Type	LED
Lamp Life (Eco/Bright Mode)	20,000 hours LED Life
Keystone Correction	±40° Vertical (Auto)
Audio	6W stereo (2x3W) SRS WOW HD Audio
Dimensions (W x D x H) (mm)	270 x 170 x 48
Remote Control	Full function slimline remote with direct source selecting
Power Supply	100-240V, 50-60 Hz
Power Consumption	145W Maximum (BRIGHT mode), Standby Mode < 0.5W
Operating Conditions	5 - 35°C, 85% Humidity (Max), 2500m Altitude (Max)
Uniformity	85 %
Security	Kensington Lock
Standard Accessories	Carry Bag, AC Power Cord, Infra Red Remote Control with Battery, Quick Start Card, Warranty Card
Optional Accessories	Mini WiFi dongle, Optoma ZD301 DLP® Link™ active 3D shutter glasses
RoHS	Compliant
3D Viewing	Requires the Optoma ZD301 DLP-Link shutter glasses - available separately.
3D Compatibility	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.
Speaker	6W stereo (2x8W) SRS WOW HD Audio
On Screen Display	12 Languages: English, French, Spanish, Portuguese (Brazilian), German, Russian, Italian, Polish, Dutch, Swedish, Greek, Turkish
Optional Wireless	Yes
Features	PC-Free Presenting, LED light source

## Easy To Use Remote Control

### ML1500 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

ML1500 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