

# ML1000

DLP® Projector

# Ultra-slim LED Projector



Slim & lightweight only 1.4 Kg



HD Ready – Native WXGA resolution



6W stereo audio with SRS audio processing



“PC-free” viewing – Built in media player  
& Native Office Viewer



Optional Wireless



Actual Size:  
48mm



# ML1000

## Ultra-slim portable LED Projector...

Introducing the all new ML1000 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 ML1000 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 & 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.



### VIDEOS

Sit back after a long day to enjoy your favourite movies... without the need for file conversion; the ML1000 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.

### 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.

### PRESENTATION & 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.*



## 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 ML1000, bringing you seamless wireless connectivity in a highly portable package. Enjoy big-screen presentations streamed to your projector, cable-free.



iPhone/iPad



Android



# ML1000

## 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 ML1000 offers exceptional sound quality with powerful 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



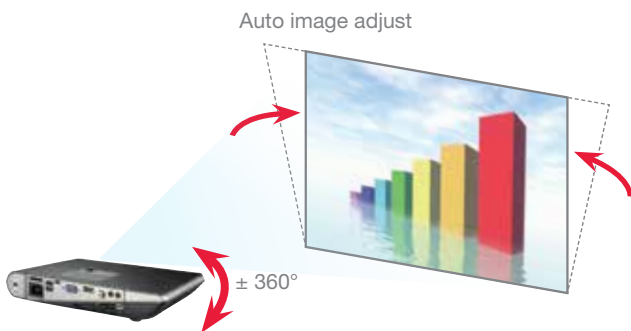
## ULTRA SLIM

Weighing only 1.4kg, the ML1000 is ultra light and slim. Coupled with the included carry case make it ideal for presentations on the go.



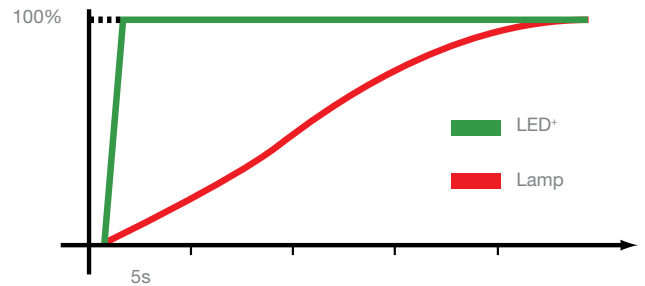
## AUTO KEYSTONE

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



## 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.



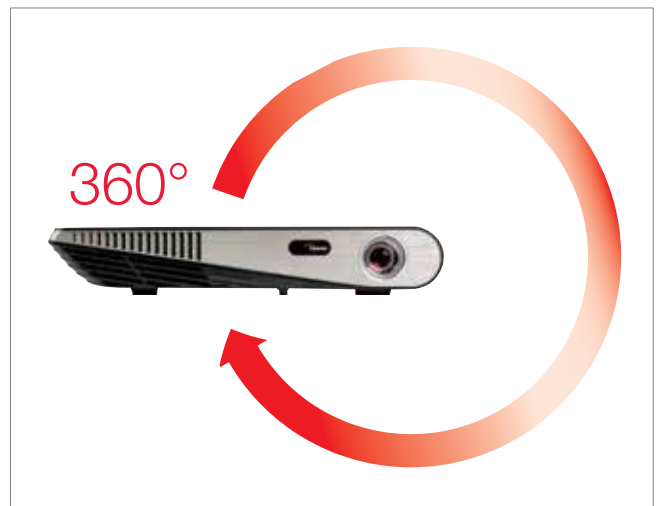
## 3D READY

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 ML1000 brings both teaching and design to a whole new level of immersion and excitement.



## DIGITAL SIGNAGE

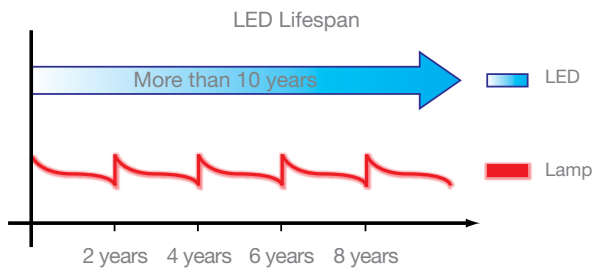
Built-in digital signage function. Perfect for digital signage applications such as advertising and museum demos.



## LED TECHNOLOGY

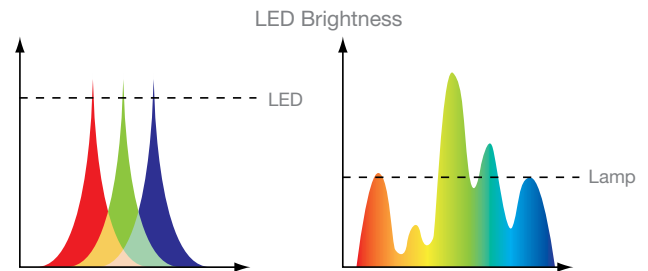
Using the benefits of LED technology, the ML1000 LED projector uses individual Red, Green and Blue LED modules to create the projected image without the need for a colour wheel.

LEDs increase efficiency and have an increased lamp life up to 20,000 hours. Saving you both time and money; while leaving you certain that your projector will be fully operational for many years to come



## BRIGHT, VIBRANT IMAGES

The ML1000 produces bright, vibrant images with deeper saturation, bursting with life. This is due to the exceptional colour fidelity created by LED technology; In many situations the perceived brightness of an LED projector can be up to twice the brightness of an equivalent lamp-based projector.



## COLOUR GUARANTEE

We are so confident that the ML1000 image colour quality will remain as good as the day you bought it that Optoma will guarantee it for five years.



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.



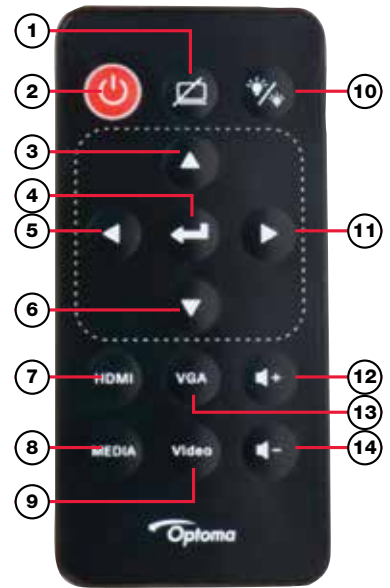
## ML1000 SPECIFICATIONS

Display Technology	Single 0.45" WXGA DMD Chip DLP® Technology by Texas Instruments
Native Resolution	WXGA 1280 x 800
LED Brightness <sup>1</sup>	1000
Contrast	15,000:1
Lamp Type/Lamp Life <sup>2</sup>	LED Light Source - 20,000 Hours
Noise Level	30dB (min)
Weight	1.4 kg
Dimensions (W x D x H)	270 x 170 x 48mm
I/O Connectors	HDMI, VGA 15 Pin D-Sub, Composite Video, Audio In 3.5mm, 2 x USB-A (reader/wireless), SD Card slot, micro USB
Maximum Resolution	Full HD 1920 x 1080
Computer Compatibility	VGA, SVGA, XGA, WXGA, SXGA+, Mac
Video Compatibility	NTSC M/J, 3.58MHz, 4.43MHz, 480i, 480p, 576i, 576p, 720p, 1080i
Media Compatibility	Document - Microsoft PowerPoint® (ppt, pptx), Word® (doc, docx), Excel® (xls, xlsx), Adobe (pdf) Video - avi, mov, mp4, 3gp, wmv, mkv, Photo - Jpeg, bmp
Displayable Colours	1073.4 Million
Projection Lens	F/1.5; f=13.92mm, Fixed
Throw Ratio	1.4:1 (Projection Distance:Image Width)
Projection Screen Size	0.43m - 2.54m (17" - 100") Diagonal 16:10
Projection Distance	0.52 - 3.00 metres
Offset	105%
Horizontal Scan Rate	15.375 - 91.146kHz
Vertical Scan Rate	24 - 120Hz (120Hz for 3D)
Keystone Correction	Auto ± 40° Vertical
Audio	6W stereo (2x3W) SRS WOW HD audio processing
Power Supply	100-240V, 50-60Hz
Power Consumption	145W Maximum (BRIGHT mode), Standby Mode < 0.5W
Operating Conditions	5°C - 40°C, Max. Humidity 80%, Max. Altitude 3000m
Uniformity	85%
Security	Kensington Lock
Standard Accessories	AC Power Cord, HDMI Cable, Infra Red Remote Control with Battery, Quick Start Card, Carry Bag
Optional Accessories	ZD301 DLP-Link 3D Glasses, Mini WiFi Dongle
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 Viewing	Requires the Optoma ZD301 DLP-Link shutter glasses - available separately.
Supported Languages	16 Languages: English, French, Spanish, Portuguese (Brazilian), German, Traditional Chinese, Simplified Chinese, Korean, Japanese, Russian, Italian, Polish, Dutch, Swedish, Greek, Turkish

## EASY TO USE REMOTE CONTROL

### ML1000 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



### ML1000 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

ML1000 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.

### Optoma Europe Ltd.

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<sup>1</sup>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. <sup>2</sup>Typical lamp life achieved through testing. Will vary according to operational use and environmental conditions. <sup>3</sup>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 warm 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. SRS® 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. Some images may be simulated.