









## ML500

LED DLP® Projector

“A breath  
of **fresh air...**”

-  “PC-free” viewing from an ultra portable, lightweight projector
-  Play back presentations, Documents, Videos, Photos & Music
-  Close to A5 size at only 1.1Kg – easily slips into your laptop case
-  Environmentally friendly LED technology - No more lamps...ever!
-  Vivid colours and pin-sharp detail from widescreen DLP® technology
-  Read files directly from the on-board memory, an SD Card or USB Memory Stick
-  Easily hook-up external sources – HDMI & VGA connectivity
-  Project on the move - stylish carry case included



HD Ready  
**720p**

**3D**  
Ready



**WIDESCREEN**

## Ultra-portable presentations with no PC

Do you ever get tired of carrying a laptop into every meeting? Do you wish you could cut down on cables & setup time; getting straight to business? Let the ML500 set you free with its extensive built-in multimedia players. Alternatively connect & display images from your laptop, netbook, iPad2® or tablet PC for ultimate flexibility.\*

Using the latest "Lamp-free" LED technology for exceptional colour fidelity, reliability and longevity, the Optoma ML500 ultra-slim portable projector is your perfect business partner. In many situations the perceived brightness of an LED projector can be up to twice the brightness of an equivalent lamp-based projector; when combined with the extraordinary life of LEDs, you can be sure that your presentations will be clear and bright for many years to come.

### ON-BOARD MULTIMEDIA PLAYERS

View photos, videos, Microsoft Office & Adobe PDF files directly from the on-board memory, an SD card or a USB memory stick – without the need to convert them. Add music to your slideshow or presentation for that extra polish.

### Presentation & Documents

With native support for Microsoft Office and Adobe PDF files, you can simply save your work onto the ML500 internal memory, an SD card\* or USB memory stick\* and you are ready to go. Effortlessly pan, zoom and flick between multiple pages using the supplied slim-line remote for that seamless, professional presentation.



### Photos

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



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

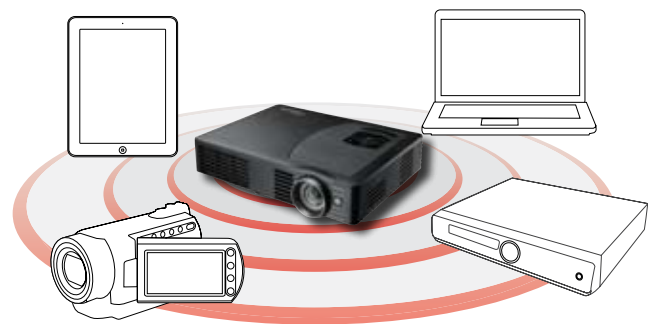
### Videos

Sit back after a long day to enjoy your favourite movies... without the need for file conversion; the ML500 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.



### GREAT CONNECTIVITY

Equipped with HDMI, VGA, Video & Audio Inputs, you can easily connect your iPad2®, Laptop, DVD player or tablet PC. With so many options you are spoilt for choice.



### USB Display



What if your netbook or tablet has no video output? With USB-Display you can now mirror your desktop to the projector using the supplied mini-USB cable, for ultimate flexibility.

## EFFORTLESS PRESENTING...ON THE MOVE

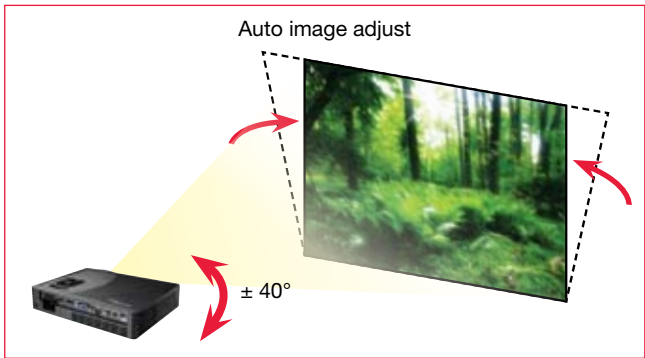
Designed with convenience in mind, the ML500 makes setting up hassle free, just plug-in, switch on and you are away...

Project anywhere, even without a screen! Advanced wall colour compensation automatically adjusts the on screen image to maintain perfect colour balance wherever you are.

Create a 60" (1.5m) image from only 6'(1.8m) away; making a big impact...even in smaller rooms.



Tilt the projector up to 40° and the image will automatically re-adjust, without you lifting a finger – just point and present.



A luxury carry-case is provided enabling you to take the ML500 anywhere, anytime.

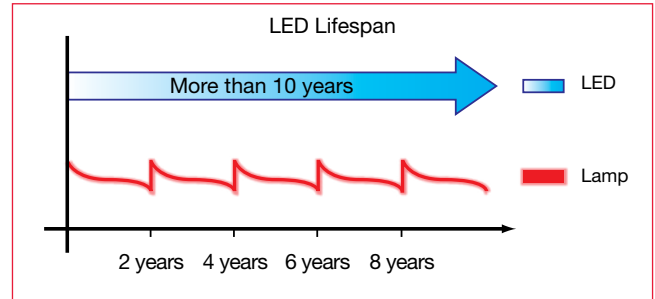


We know that improving our products is the best way to reduce our impact on the environment. That's why at Optoma, we design our products to have a long usable life, use fewer materials, ship with the minimum packaging and be free of all possible toxic substances. Naturally, energy efficiency and being 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.

## LED...THE FUTURE OF PROJECTION IS HERE!

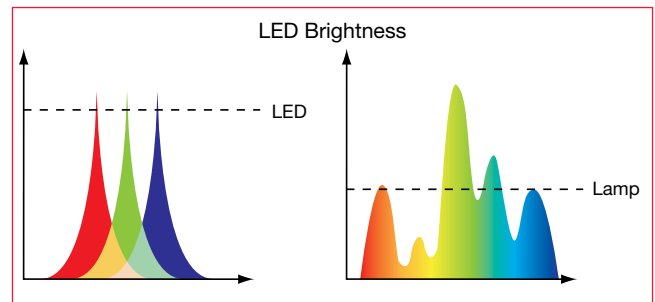
### Long life

As is typical with all lamp based projectors, image brightness will decrease over time until frequently, the costly lamp needs to be replaced. The ML500 uses cutting edge LED technology, with an exceptional life-span to completely eliminate the need for expensive replacement lamps. Saving you both time and money; while leaving you certain that your projector will be fully operational for many years to come.



### High Brightness

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.



### 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.



Design a city and walkthrough the streets; explore the world, travel through space, see inside the body; inspire your imagination and bring new ideas to life!

Useful for both professionals and educators alike, the ML500 brings both teaching and design to a whole new level of immersion and excitement.

## ML500 SPECIFICATIONS

Native Resolution	WXGA 1280 x 800
Brightness*	500 ANSI Lumens (LED)
Contrast	3000:1
Noise Level	29dB
LED Life <sup>†</sup>	20,000 hours
Projections Lens	F1.5, f=13.92mm, Fixed
Throw Ratio	1.4:1 (Projection Distance:Image Width)
Projection Distance	0.5 - 5.5m
Image Size	0.43 - 4.57m (17" - 180") Diagonal 16:10
Display Technology	Single 0.45" WXGA DMD chip DLP® Technology by Texas Instruments
Weight / Dimensions (W x D x H)	1.14 kg / 220 x 170 x 43mm
Remote Control	Full function remote with, multimedia control and direct source selecting
INPUTS	HDMI connector (Audio supported) 15 Pin D-Sub VGA S-Video 4 Pin Mini Din Component via adaptor Composite RCA SD Card slot (for multimedia) USB-A (for multimedia) mini-USB (for USB Display & data transfer) Audio IN - 3.5mm jack
Audio	2W Speaker
Aspect Ratio	16:10 Native, 4:3 & 16:9 Compatible
Auto Image Adjust	± 40 Degrees Vertical
On Screen Display	13 Languages: English, German, French, Italian, Spanish, Portuguese, Polish, Dutch, Russian, Finnish, Swedish, Greek, Turkish
Video Compatibility	PAL SECAM 576i/p, NTSC 480i/p, HD 720p/1080i/1080p
Multimedia Compatibility	Document - Microsoft PowerPoint® (ppt, ppx), Word® (doc, docx), Excel® (xls, xlsx), Adobe (pdf) Video - avi, mov, mp4, 3gp, ts, wmv, mkv, rm Photo - jpeg, bmp Music - mp3, acc, wma, ogg, wav
Uniformity	80%
Displayable Colours	1.07 billion
Horizontal Scan Rate	49.64kHz
Vertical Scan Rate	50 - 120Hz
Power Supply	100 - 240V, 50 - 60Hz
Power Consumption	120W Maximum, Standby Mode <1W
Operating Conditions	Operating: 5 - 35°C, 85% Humidity (Max), 2500m Altitude (Max)
Security	Kensington™ Lock Port
Standard Accessories	AC Power Cord, VGA Cable, mini-USB Cable, Carry Bag, Full Function Card Remote (Inc. Battery), Quick Start Guide, Warranty Card
RoHS	Compliant
Warranty	Warranty may vary by country. Please see <a href="http://www.optomaeurope.com">www.optomaeurope.com</a> or ask your local supplier for details
3D Support	800x600@120Hz - frame sequential 1024x768@120Hz - frame sequential
3D Viewing	Requires Optoma DLP® Link™ active shutter glasses - sold 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. Support for 3D TV broadcast systems, (SKY in the UK), Blu-ray 3D™ and 3D games from the Sony® PS3 or Microsoft® Xbox 360 may be possible in future using additional hardware. See website for updates.

## EASY TO USE REMOTE CONTROL

### ML500 Remote Control

- 1 Power
- 2 AV Mute
- 3 Menu
- 4 Display Mode
- 5 Menu Navigation
- 6 Aspect Ratio
- 7 Volume Control
- 8 Direct source selection



### ML500 Connections

- 9 SD Card Slot (up to 32GB)
- 10 USB-A (multimedia)
- 11 HDMI (Audio supported)
- 12 VGA (Component via adaptor)
- 13 S-Video
- 14 Composite Video
- 15 Audio In
- 16 Mini-USB (Display & Data transfer)
- 17 Kensington™ Lock

### Exceptional Connectivity / Multiple Terminals



### Projection Distance 0.5 - 5.5m WXGA (16:10 Aspect Ratio)

Projection Distance (m)	Max. Horizontal Image Size (m)	Vertical Image Size (m)	Max Diagonal Image Size (m)	Max Diagonal Image Size (inch)	Max. Image Offset (m)
0.50	0.36	0.22	0.42	16.58	0.01
1.50	1.07	0.67	1.26	49.74	0.03
2.50	1.79	1.12	2.11	82.91	0.06
3.50	2.50	1.56	2.95	116.07	0.08
4.50	3.21	2.01	3.79	149.23	0.10
5.50	3.93	2.46	4.63	182.39	0.12

For guide purposes only

When projecting a 16:9/4:3 image the image sizes, screen width, height and offset information will differ from the above.

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