

# ML550

DLP® Projector

# Ultra-compact LED Projector



Compact & lightweight <0.4 Kg



HD Ready – Native WXGA resolution



Connect to your mobile device -  
HDMI / MHL connectivity



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



Optional wireless



# ML550

## Ultra-compact portable LED Projector...

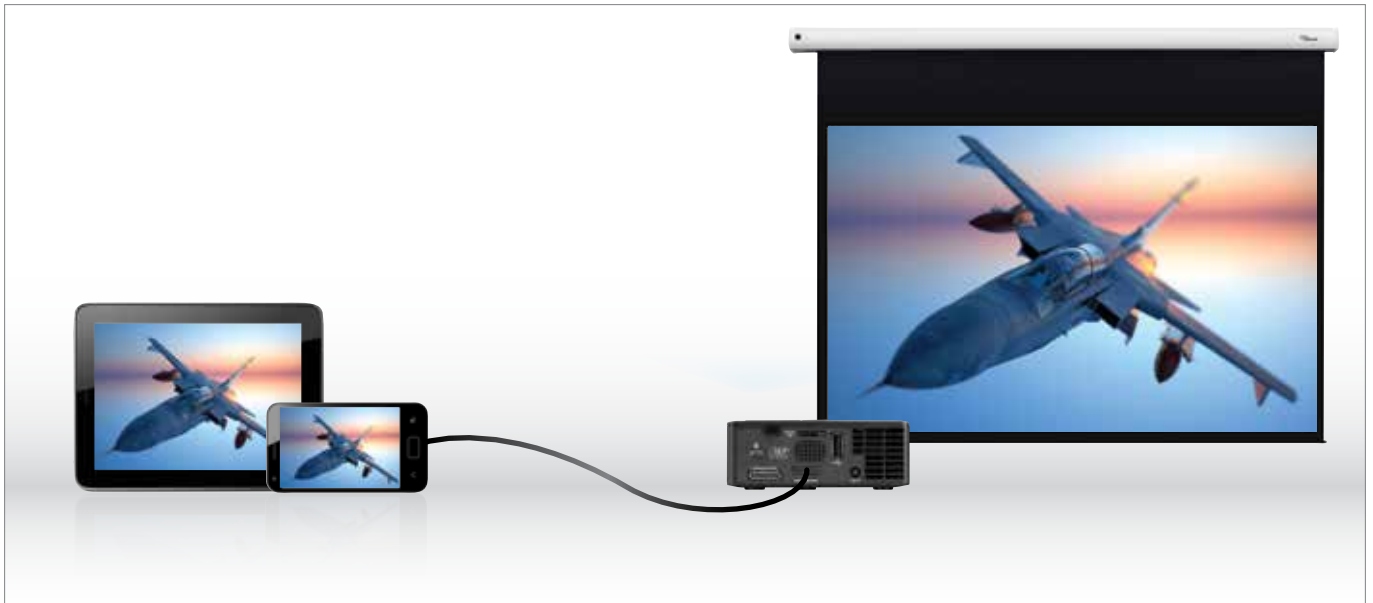
Introducing the all new ML550 ultra-compact portable LED projector. Easily transportable between your home and office, this tiny projector weighs less than 0.4kg and comes with a convenient carry bag. Watch HD movies or present that winning presentation, the ML550 has everything you need to impress your audience.

Packed full of features the ML550 incorporates a media player, native office viewer and built-in speaker. Project without a laptop using the built-in memory, a microSD card slot, USB connection. Easily connect and display from a mobile or table device using MHL connectivity to view business files, photos, videos and listen to music.

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

### EASY CONNECTIVITY - MHL

Easily connect to a laptop, PC, games console or DVD player with HDMI. The ML550 is also MHL compatible, this allows you to connect your MHL enabled mobile device with a single cable solution<sup>†</sup> allowing you to mirror your devices screen. Ideal for streaming movies and viewing files and photos stored on your mobile device.



### ULTRA-COMPACT

Weighing less than 0.4kg, the ML550 is ultra light and compact. Coupled with the included carry case make it ideal for presentations on the go.



Actual Size: 105mm

## MEDIA PLAYER & NATIVE OFFICE VIEWER

Play videos, photos, Microsoft Office & Adobe PDF files directly from the internal memory, a microSD 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 ML550 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 micro 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 the ML550 internal memory, a microSD card\* or USB memory stick\* and you are ready to go.



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



# ML550

## WIRELESS PRESENTATIONS

Present from your phone or tablet using the free App: EZ View. Available for both Android and iOS devices, EZ View gives you the freedom to wirelessly share and present documents, photos, videos and your devices camera turning it into a document camera. 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 ML550, bringing you seamless wireless connectivity in a highly portable package. Enjoy big-screen presentations streamed to your projector, cable-free.



## 3D READY

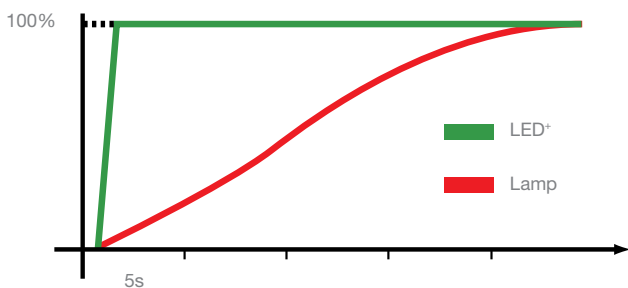
Using the inherent speed of DLP® technology, Optoma 3D Ready projectors can output video and images at an astonishing rate of 120Hz, allowing you to show full screen, full colour, stereoscopic 3D. Useful for both professionals and educators alike, the ML550 brings both teaching and design to a whole new level of immersion and excitement.



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## INSTANT ON/OFF

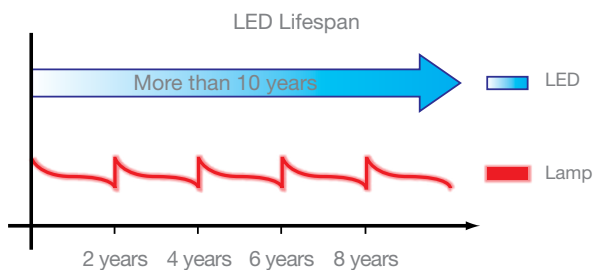
Quickly setup and pack up with instant power On/Off. LED technology allows the projector to be a full brightness in seconds.



## LED TECHNOLOGY

Using the benefits of LED technology, the ML550 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



## COLOUR GUARANTEE

We are so confident that the ML550 image colour quality will remain as good as the day you bought it that Optoma will guarantee it for five years.



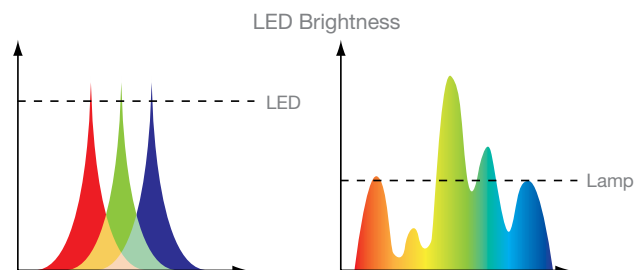
## DIGITAL SIGNAGE

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



## BRIGHT, VIBRANT IMAGES

The ML550 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.





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.

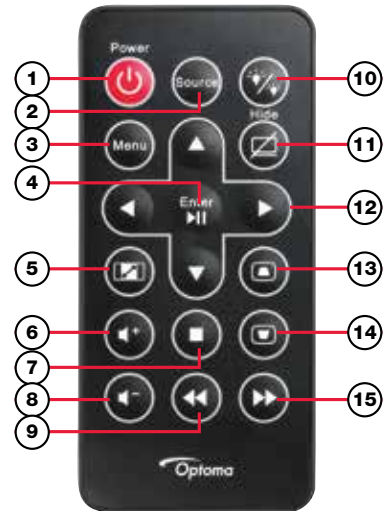
## ML550 SPECIFICATIONS

Display Technology	Single 0.45" WXGA DMD Chip DLP® Technology by Texas Instruments
Native Resolution	WXGA 1280 x 800
Brightness - BRIGHT mode <sup>1</sup>	550 ANSI Lumens (LED)
Contrast	10,000:1
Lamp Type/Lamp Life <sup>2</sup>	LED Light Source - 20,000 Hours
Noise Level	30dB (min)
Weight	0.38 kg
Dimensions (W x D x H)	105 x 106 x 39mm
I/O Connectors	Inputs: HDMI / MHL, Universal I/O - VGA Input/Audio Out, USB-A (reader/wireless), microSD <sup>3</sup>
Memory	1.5GB**
Maximum Resolution	Full HD 1920 x 1080
Computer Compatibility	VGA, SVGA, XGA, WXGA, SXGA+, Mac
Video Compatibility	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, wmv, mkv, Photo - jpeg, bmp Music - mp3, aac, wma
Displayable Colours	16.7 Million
Projection Lens	F/2.00; f=14.95mm, Fixed
Throw Ratio	1.5:1 (Projection Distance:Image Width)
Projection Screen Size	0.43m - 2.54m (17" - 100") Diagonal 16:10
Projection Distance	0.55 - 3.23 metres
Offset	100%
Horizontal Scan Rate	15.375 - 91.146kHz
Vertical Scan Rate	24 - 120Hz (120Hz for 3D)
Keystone Correction	± 40° Vertical
Audio	1W
Power Supply	100-240V, 50-60Hz
Power Consumption	65W 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, Universal I/O Cable, Infra Red Remote Control with Battery, Quick Start Card, Carry Bag
Optional Accessories	Mini WiFi Dongle, Optoma DLP® Link™ active 3D shutter glasses
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

### ML550 Remote Control

- 1 Power ON/OFF
- 2 Source
- 3 Menu
- 4 Enter/Play/Pause
- 5 Aspect ratio
- 6 Volume +
- 7 Stop
- 8 Volume -
- 9 Rewind
- 10 Lamp mode
- 11 AV mute
- 12 Up/Down/Left/Right
- 13 Keystone
- 14 Keystone
- 15 Fast Forward



### ML550 Connections

- 16 microSD
- 17 USB
- 18 Kensington Lock
- 19 Universal I/O (VGA/Audio Out)
- 20 HDMI/MHL
- 21 Power

## Exceptional Connectivity / Multiple Terminals



### Projection Distance 0.55 - 3.23m (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)
0.55	0.37	0.23	0.43	17.02
1.00	0.67	0.42	0.79	30.95
1.50	1.00	0.63	1.18	46.43
2.00	1.33	0.83	1.57	61.90
2.50	1.67	1.04	1.97	77.38
3.00	2.00	1.25	2.36	92.85
3.23	2.15	1.35	2.54	99.97

For guide purposes only

ML550 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>1.5GB is available when user manuals are removed from the internal memory. <sup>2</sup>Samsung Galaxy S3 & S4 will require an additional adapter. <sup>3</sup>Brightness 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. <sup>4</sup>Typical lamp life achieved through testing. Will vary according to operational use and environmental conditions. <sup>5</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 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. 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.