Optoma

ML550
DLP® Projector

Ultra-compact
LED Projector

Compact & lightweight <0.4 Kg

16:10 WXGA
HD Ready – Native WXGA resolution

HDMI/MHL
Connect to your mobile device -
HDMI / MHL connectivity

▶
"PC-free" viewing – Built in media player
& Native Office Viewer

Optional wireless

BrilliantColor   5 YEARS COLOUR GUARANTEED   Project Green   LED   HD Ready   3D Ready   MHL Mobile High-Definition Link

ML550

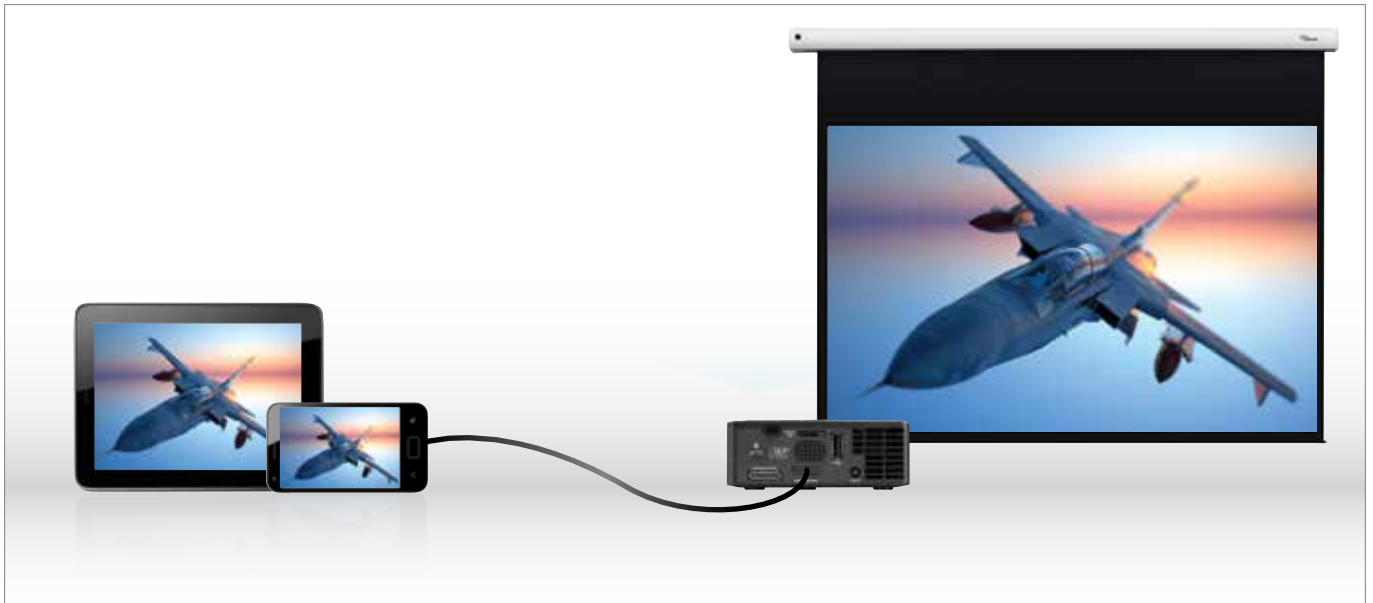## Ultra-compact portable LED Projector…

Introducing the all new ML550 ultra-compact portable LED projector. Easily transportable between your home and office, this tiny projector weights 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[†] 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.
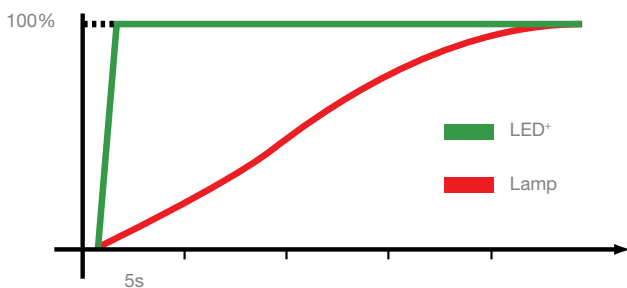
iPhone/iPad

Android

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.
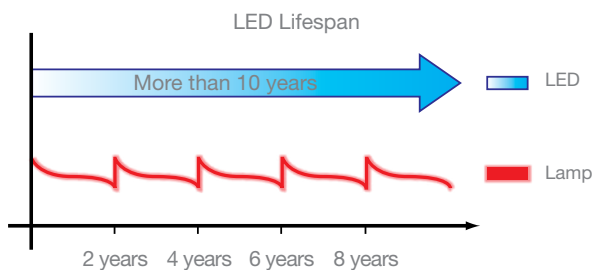
3D Ready

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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⁺
- Lamp

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

LED Lifespan
More than 10 years — LED
Lamp
2 years   4 years   6 years   8 years

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.
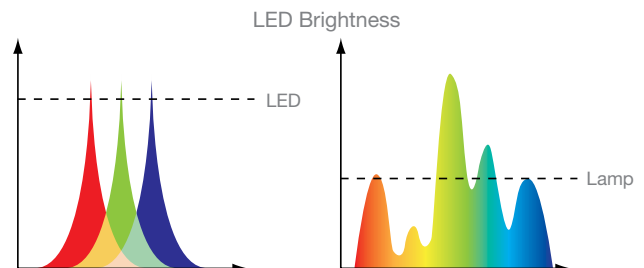
DIGITAL SIGNAGE

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.

LED Brightness
LED
Lamp

Project Green

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.
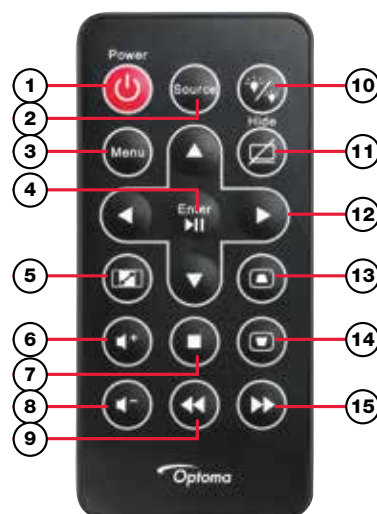
ML550 SPECIFICATIONS

Display Technology	Single 0.45" WXGA DMD Chip DLP® Technology by Texas Instruments
Native Resolution	WXGA 1280 x 800
Brightness - BRIGHT mode[1]	500 ANSI Lumens (LED)
Contrast	10,000:1
Lamp Type/Lamp Life[2]	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"
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.