

ML50 DLP® Projector

Do you ever get tired of carrying a laptop into every meeting? Do you wish you could cut down on cables and setup time; getting straight to business? Let the ML50 ultra-slim portable projector set you free with its extensive built-in multimedia players. Now you can present whenever you want and wherever you are!

With built-in speakers and up to an impressive 150" display, allows presentations without the need for a laptop, and in many cases without a projection screen. Weighing a mere 1.14kg and smaller than the average paper-back, the remote controllable ML50 is the perfect travel companion.

With native support for Microsoft Office™ and Adobe PDF files you can view them directly from the on-board memory, a MicroSD card or a USB memory stick – without the need to convert them. The ML50 also supports all the popular video and music formats so you can watch your favourite movie. Alternatively, easily connect the ML50 to your laptop, netbook, iPhone®, iPad2®, Blackberry® Presenter or tablet PC using the Mini-HDMI, VGA, USB display and AV inputs for ultimate flexibility.

Using the latest "Lamp-free" LED technology the ML50 has exceptional colour fidelity, reliability and longevity. Combined with the extraordinary life of LEDs approximately 20,000 hours, you can be sure that your presentations will be clear and bright for many years to come.

When you've finished work for the day, the ML50 is the perfect way to sit back and relax. Watch a movie or share your favourite photos and video with colleagues, friends and family; It'll even connect to your games console so everyone can join in the fun.



Ultra Portable PC-less Presentations



"PC-free" viewing from an ultra portable, lightweight projector



Play back Presentations, Documents, Videos and Photos without a PC



Close to A5 size at only 1.1kg – easily slips into your laptop case



Environmentally friendly LED technology – No replacement lamps required



HD Ready
720p

3D
Ready



WIDESCREEN

ML50 SPECIFICATIONS

Native Resolution	WXGA 1280 x 800
Brightness*	500 ANSI Lumens (LED)
Contrast	3000:1
Noise Level	29dB
LED Life [†]	20,000 hours
Projections Lens	F/1.5, 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, pptx), 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 www.optomaeurope.com 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

ML50 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



ML50 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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