Optoma

ML750ST

Short throw LED projector

- HD Ready and LED technology - amazing colour reproduction and long-life

- Great connectivity - MHL, HDMI and optional wireless

- PC free viewing - native office viewer, built-in memory, microSD card slot and USB

- Short throw lens, ultra compact and lightweight - only 420g

LED | DLP PICTURE BY TEXAS INSTRUMENTS | HDMI™ HIGH DEFINITION MULTIMEDIA INTERFACE | MHL Mobile High-Definition Link | HD Ready | HDCast PRO

ML750ST

The ML750ST builds upon the popular ML750e LED projector but has been engineered with a short throw lens to make it even more flexible for meetings, presentations or movies on-the-go. This tiny projector weighs just 420g and comes with a convenient carry bag.

For business
Give laptop free presentations using the built-in media player, native office viewer, microSD card slot and USB connection or present wirelessly from a mobile device using the free HDCast Pro app and optional wireless USB adapter. You can even use the ML750ST for digital signage applications as the projector can be mounted in virtually any orientation. LED technology provides accurate colour reproduction (Rec709), long life and support for portrait mode.

For home
The compact ML750ST is ideal for watching HD movies directly from a microSD card, USB stick or using the built-in memory. HDMI input enables connection to the latest laptops, PCs, games consoles or Blu-ray™ players and Mobile High-Definition Link (MHL) technology allows users to display content directly from an MHL-enabled mobile device. And with a low 17ms input lag and quick response time, this entertainment projector gives gamers a competitive advantage.
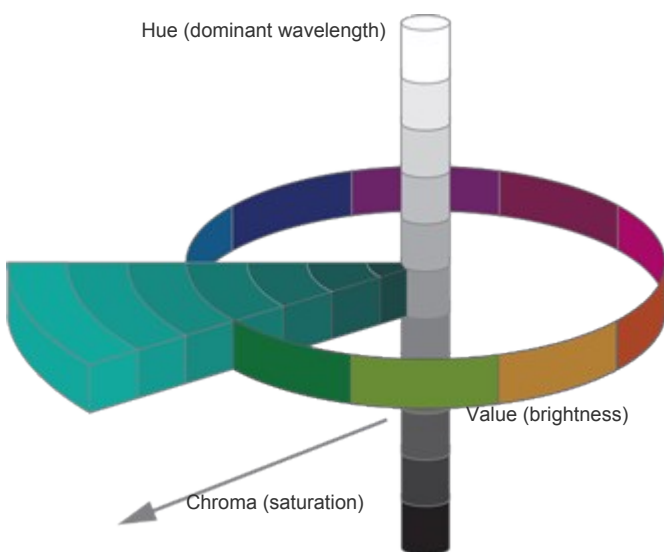
Short throw

With a short throw lens, you can project an impressive 100" image from just over a metre away. This allows you to place the projector closer to the wall, reducing shadows so you can present with ease.

LED technology

Optoma LED projectors use individual red, green and blue LED modules to create the projected image without the need for a colour wheel.

LED illumination provides consistent brightness and colour performance with increased efficiency to maintain its out-of-the-box image quality. And the extraordinary life of LEDs (up to 20,000 hours) will ensure it stays clear and bright.
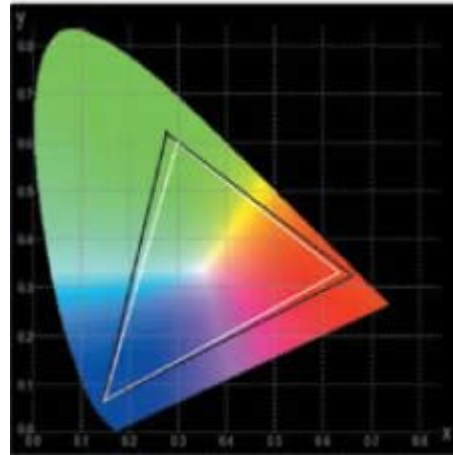
In many situations the perceived brightness of LED projectors can be up to twice the brightness of an equivalent lamp-based projector. LED brightness* specifications allow for a better comparison against lamp-based projectors, which do not take advantage of the enhanced brightness perception the Helmholtz-Kohlrausch (HK) effect creates.

Hue (dominant wavelength)

Value (brightness)

Chroma (saturation)

superior colour saturation and outstanding brightness to produce intense yet accurate colours, achieving the Rec709 standard.

LED auto calibration

This tiny projector has a built in sensor that auto calibrates the LEDs everytime the projector is switched on. This provides you with consistent colour performance and maintains the projectors out-of-the-box image quality throughout its lifetime and saving you from costly calibrations.

MHL

Turn your projector into a smart display by connecting your smartphone or tablet with a single cable using MHL*; now you can view presentations and documents, stream videos and share photos on the big screen.

*Connection to some devices may require additional cables and adapters, available separately.

Bright, vibrant images - Rec709

Perfect for business presentations, watching movies or displaying graphics, the LED powered ML750ST delivers a wide colour gamut,

Media player and native office viewer

Give presentations and view Microsoft Office and Adobe PDF files directly from your projector, without the need of a laptop or PC using the built-in media player. Simply copy your documents, images or videos to a microSD card, USB memory stick or the internal memory and display them on the big screen.*

*Microsoft Office powerpoint animations are not supported. For a full list of supported files types please download the user manual. microSD card and USB memory stick not included. Supports SDHC up to 64GB.

360° projection

Images can be projected vertically over a full 360° range, including reproduction onto a ceiling or floor.

HDCast Pro - wireless presenting (optional extra)

Present wirelessly from your mobile device or laptop using the optional wireless USB adapter and free HDCast Pro app. Available on Android, iOS, Windows and Mac the HDCast Pro app gives you the freedom to wirelessly stream videos, photos, audio and documents. The App also allows you annotate over files, view webpages and use the camera on your device as a document camera for a more collaborative experience.

Auto keystone

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

Colour Guarantee

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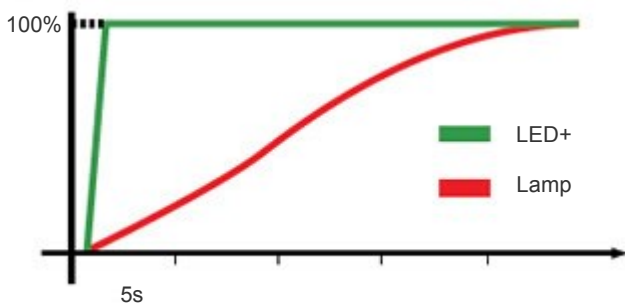

Digital signage

Digital signage applications are ideal as the projector can be mounted in virtually any orientation and it can automatically play video files or a photo slideshow directly from a microSD card as soon as the projector is switched on. You can even set the projector to turn off after a set period of time using the 'sleep timer' function.

Portrait projection

Ideal for digital signage applications you can rotate your projector 90 degrees to project a portrait image. Perfect for when landscape projection is not required.

Instant on/off

With instant power on/off LED technology, the ML750ST is primed for instant plug-and-play viewing on the move.

Specification

Display Technology	Single 0.45" WXGA DMD Chip DLP® Technology by Texas Instruments
Native Resolution	WXGA 1280 x 800
Brightness[1] (Bright Mode)	800 LED Brightness*
Contrast	20,000:1
Lamp Life[2] Bright	20,000 (LED Life) (hrs)
Throw Ratio	0.8:1
Zoom Type	Fixed
I/O Connectors	HDMI + MHL v2.0, Universal I/O - VGA, microSD-slot, USB-A reader/wireless, Audio out
Speaker (Watts)	1.5
Keystone Correction	±40° Vertical (Auto)
Weight (kg)	0.42
Dimensions (W x D x H) (mm)	112.5 x 123 x 57
Aspect Ratio	16:10 Native, 16:9/4:3 Compatible
Offset	100%
Projection Screen Size	0.63 - 5.08m (25" - 200") Diagonal 16:10
Projection Distance	0.43 - 3.44m
Projection Lens	F/1.9; f=8.02mm
Uniformity	85 %
Video Compatibility	480i, 480p, 576i, 576p, 720p, 1080i
3D Support	3D Ready -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 Compatibility	SVGA 120Hz XGA 120Hz
Input Lag (ms)	17
Horizontal Scan Rate	49.64 kHz
Vertical Scan Rate	24 - 120Hz (120Hz for 3D)
Displayable Colours	16.7 Million
Noise Level (Eco mode)	22dB
Power Supply	100-240V, 50-60 Hz
Power Consumption	77W Bright mode (< 0.5W Standby)
Lamp Type	LED
Operating Conditions	5 - 35˚C, 85% Humidity (Max), 2500m Altitude (Max)
Security	Kensington lock
On Screen Display	12 Languages: English, French, Spanish, Portuguese (Brazilian), German, Russian, Italian, Polish, Dutch, Swedish, Greek, Turkish
Standard Accessories	Carry bag, AC power cord, universal I/O cable, remote control, battery, quick start card
Optional Accessories	3D glasses, wireless, tripod
Optional Wireless	Yes
Warranty	2 Years
RoHS	Compliant

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[1]Lamp based projectors brightness and lifetime 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. LED projectors do not have a replaceable lamp and the brightness does not decay significantly over the product lifetime.

[2]Typical lamp life achieved through testing. Will vary according to operational use and environmental conditions

*The quoted LED brightness rating is based on the perceived equivalent ANSI lumen brightness when compared to a standard lamp projector. The LED brightness rating takes into account the Helmholtz–Kohlrausch (HK) effect on the perceived brightness of colours.

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