Short Throw Pocket LED Projector

ML1050ST+

Optoma

Powerful palm-sized projection with auto focus

Large and bright 1,000 lumen WXGA images from a few feet away

Auto focus lens for easy place and project

Project large 100-inch images anywhere

RGB LED light source with up to 30,000 hour life

PC-free USB and micro SD media player, image viewer and office document reader

Wireless presentations and images with HDCast Pro (requires optional WUSB adapter)

BrilliantColor | WXGA 1280x800 | POWERED BY LED | HD | HDMI HIGH DEFINITION MULTIMEDIA INTERFACE | MHL | WIDESCREEN 16:10 ENHANCED

Project large, WXGA images from a few feet away with the 1,000 lumen short throw Optoma ML1050ST+. Its auto focus lens and palm-sized form factor make it easy to place and project images up to 135-inches anywhere.

The RGB LED light source provides up to 30,000 hours of life for years of reliable operation. A PC-free media player, image viewer and document reader display office documents, PDFs and images from micro SD cards and USB storage devices.

Optional QuickCast Pro 4K Kit provides wireless screen mirroring with Android, iOS, Mac OS and Windows devices. An HDMI input with MHL 2.0 enables compatibility with notebooks, mobile devices and gaming consoles.

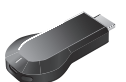## CONNECTIVITY (May require optional accessories)

Computers | Smart Phones | Tablets | 3D Blu-ray/DVD Players | Camcorders | Apple TV® | Chromecast™

SHORT THROW POCKET LED PROJECTOR - ML1050ST+

OPTICAL/TECHNICAL SPECIFICATIONS

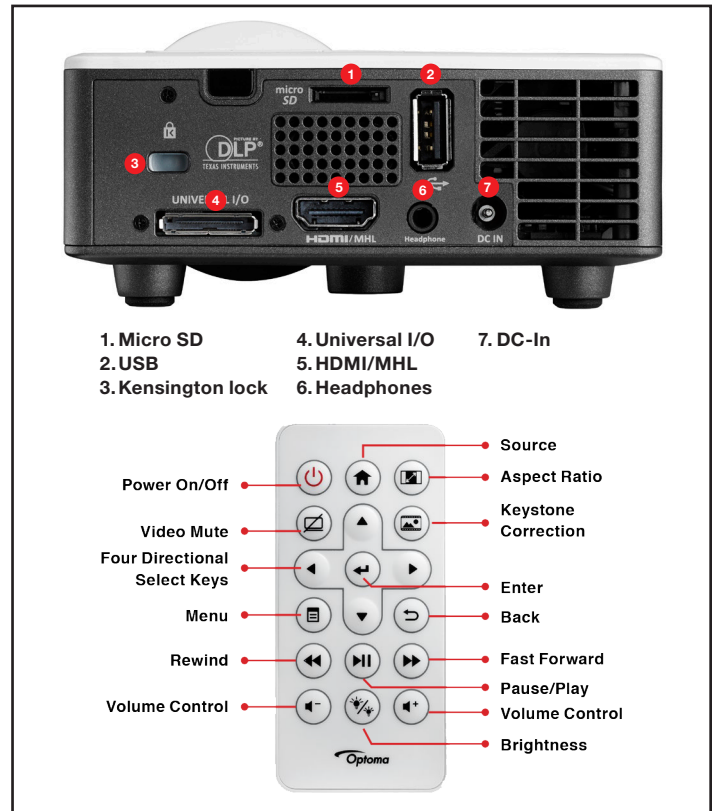|	
Display Technology	Texas Instruments 0.45" WXGA DMD
Color Wheel	RGB LED
Native Resolution	WXGA (1280 x 800)
Maximum Resolution	WUXGA (1920 x 1200)
Brightness	1,000 ANSI lumens
Contrast Ratio	20,000:1
Displayable Colors	16 million
Keystone Correction	Auto, ±40° vertical
360 degree and Portrait mode operation	Yes
Light source life*	30,000/20,000 (ECO/Bright)
Lamp Life and Type*	RGB LED light source
Projection Method	Table top
Geometry	Auto focus, vertical keystone
Uniformity	90%
Offset	100% ±5%
Aspect Ratio	16:10 (native), 16:9, 4:3 and auto compatible
Throw Ratio	0.8:1 ±5%
Projection Distance	16" - 135"
Image Size	25" - 200"
Projection Lens	F= 1.9, F=8.02, auto focus lens
Digital Zoom	1.5x
Audio	1.5W speaker
Noise Level	28 dB
Battery	No
Remote Control	Card size remote
Operating Temperature	41–104°F (5–40°C), 85% max humidity
Power Supply	"Auto-ranging: AC100V~240V±10%,50-60Hz,~1.7A DC Output : 19V/3.42A , 65W"
Power Consumption	77 W, < 0.5W (standby)
High Altitude	Operating temp @ sea level to 10,000 feet = 23C (max); must manually switch to high altitude mode @ 5,000 feet & above (using OSD)

COMPATIBILITY SPECIFICATIONS

Computer Compatibility	VGA, SVGA, XGA, SXGA, WXGA, WXGA, WXGA, WXGA+, SXGA+, WSXGA+
Video Compatibility	480i, 576i, 480p, 576p, 720p, 1080i, 1080p
Vertical Scan Rate	24Hz to 120Hz
Horizontal Scan Rate	31 to 135 KHz
User Controls	Complete on-screen menu adjustment in 16 languages
I/O Connection Ports	1x HDMI (MHL 2.0), 1x I/O port (VGA & composite input), 1x USB, 1x micro SDXC slot, 1x headphone out
Loop Through (Audio)	Yes
Control	N/A

PHYSICAL SPECIFICATIONS

Security	Kensington® lock port, password (OSD)
Weight	14 oz.
Dimensions (W x H x D)	4.41" x 1.57" x 4.13"

1. Micro SD
2. USB
3. Kensington lock
4. Universal I/O
5. HDMI/MHL
6. Headphones
7. DC-In

Power On/Off
Video Mute
Four Directional Select Keys
Menu
Rewind
Volume Control

Source
Aspect Ratio
Keystone Correction
Enter
Back
Fast Forward
Pause/Play
Volume Control
Brightness

Warranty

1 Year limited parts and labor warranty on the projector, 1-year or 20,000 hour light source warranty (whichever comes first)

What's in the Box

ML1050+, I/O cable (VGA & composite input), carrying case, AC power cable, power adapter, remote control, batteries, quick start user manual

Accessories

Wi-Fi adapter: WUSB
Remote (replacement): BR-ML75N
AC power adapter (replacement): BC-ML55PDX
AC power cord (replacement): BC-PUPNXY02
Universal to VGA/audio cable (replacement): BC-PK5AVGX
QuickCast Pro 4K HDMI starter kit: QCP-4K-KIT (2 TX, 1 RX, 1 Cradle)
Carrying case (replacement): BK-ML70S

UPC 796435 44 296 5

Optoma.com

*Light source life is dependent upon many variables, including brightness mode used, display mode used, daily usage (such as 24/7 operation), environmental conditions (such as extreme heat or cold) and more. Light source brightness can and will decrease over time. Maximum light source life cannot be achieved using Bright mode – must use ECO mode.