

Optoma ML1080

Optoma ML1080 Ultra-Portable Full HD Laser Projector User Manual

Model: ML1080

INTRODUCTION

The Optoma ML1080 is an ultra-portable, standard throw RGB laser projector designed for versatile use. It features Time of Flight (ToF) technology for advanced auto-focus and auto keystone correction, ensuring clear images on various surfaces. The RGB Triple Laser delivers 100% REC.709 and 98% DCI-P3 color accuracy for cinematic visuals. Enjoy seamless gaming with an ultra-low 23ms input lag. This projector supports 1080p HD resolution with 4K input, offers multiple connectivity ports, Bluetooth, and a built-in speaker. It can be powered via the included AC cable or a USB-C 60W PD 3.0 portable battery.

WHAT'S IN THE BOX

- Power Adapter
- Remote Control
- Battery
- Carrying Bag
- User Manual

PRODUCT FEATURES

- **Ultra-Portable Design:** Compact and lightweight for use on any surface with Time of Flight (ToF) technology for advanced auto-focus.
- **RGB Triple Laser:** Delivers cinematic color with 100% REC.709 and 98% DCI-P3 (WCG) color accuracy.
- **Ultra-Low Input Lag:** 23ms at 1080p60 and 23ms at 4K60 with Enhanced Game Mode and Auto Low Latency Mode (ALLM).
- **Streaming Ready:** Optional EZC-USB Wireless adapter (not included) allows for streaming apps.
- **High Resolution:** 1080p resolution with 4K input support.
- **Multiple Ports:** HDMI 2.1 input, two USB Type-C display inputs, USB-A input.
- **Integrated Media Player:** Play content directly from storage devices.
- **Built-in Speaker:** For audio output.
- **Versatile Display Modes:** 9 different display modes.
- **Bluetooth Connectivity:** For input devices and audio devices.
- **Casting & Screen Mirroring:** Share content from compatible devices.
- **File Manager:** For easy content access.

- **Signage Mode:** For commercial applications.
- **Premium Carry Case:** Included for portability and protection.

SETUP

Initial Placement

Place the projector on a stable, flat surface. Ensure adequate ventilation around the unit. The compact size allows for flexible placement.



Front view of the Optoma ML1080 projector, highlighting its compact design and lens.

Power Connection

Connect the included power adapter to the "Power In" port on the projector and then to a power outlet. Alternatively, the projector can be powered by a compatible USB-C 60W PD 3.0 portable battery.

Image Adjustment

The ML1080 features Time of Flight (ToF) technology for advanced auto-focus and auto keystone correction. Upon powering on or moving the projector, it will automatically adjust the image for optimal clarity and geometry. For best results, ensure the projection surface is flat and free of obstructions.

ML1080 Throw Projection Distance

Table placement

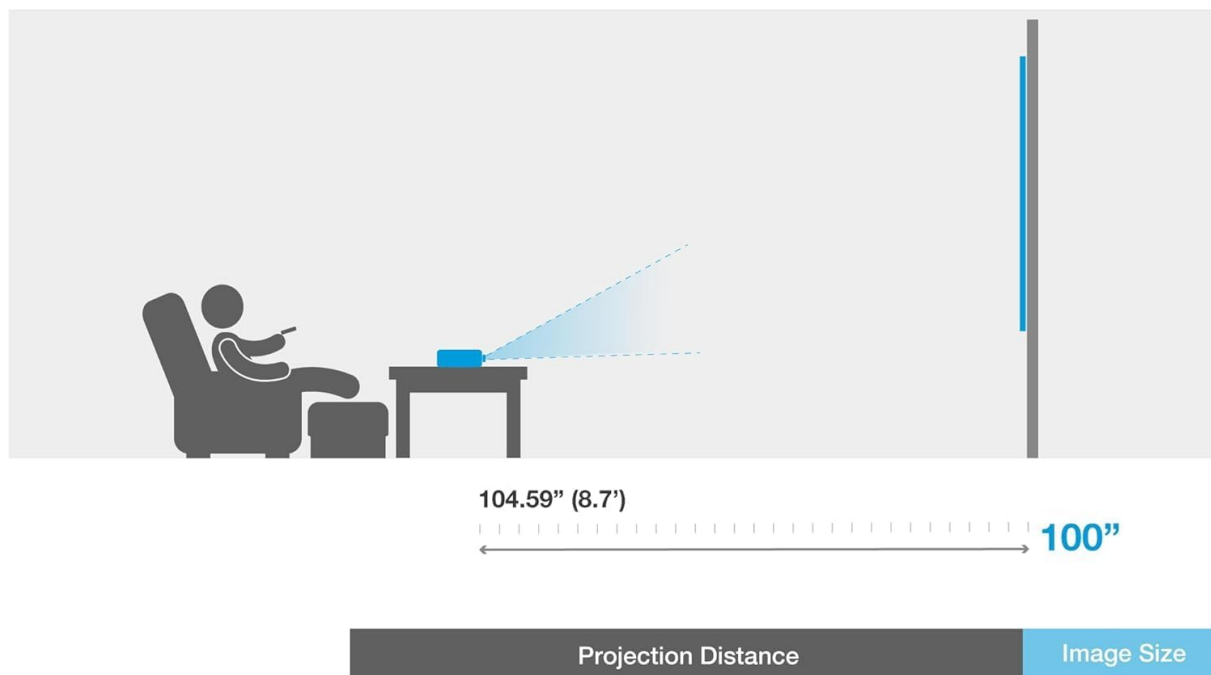


Diagram illustrating the throw distance for the Optoma ML1080 projector to achieve a 100-inch image.

OPERATING

Power On/Off

Press the power button located on the projector or the remote control to turn the unit on or off.

Source Selection

Use the remote control or the projector's control panel to select the desired input source (e.g., HDMI, USB-C, USB-A).

Display Modes

The projector offers 9 display modes to optimize image quality for different content types (e.g., movie, game, presentation). Refer to the on-screen menu for selection.

Gaming Mode

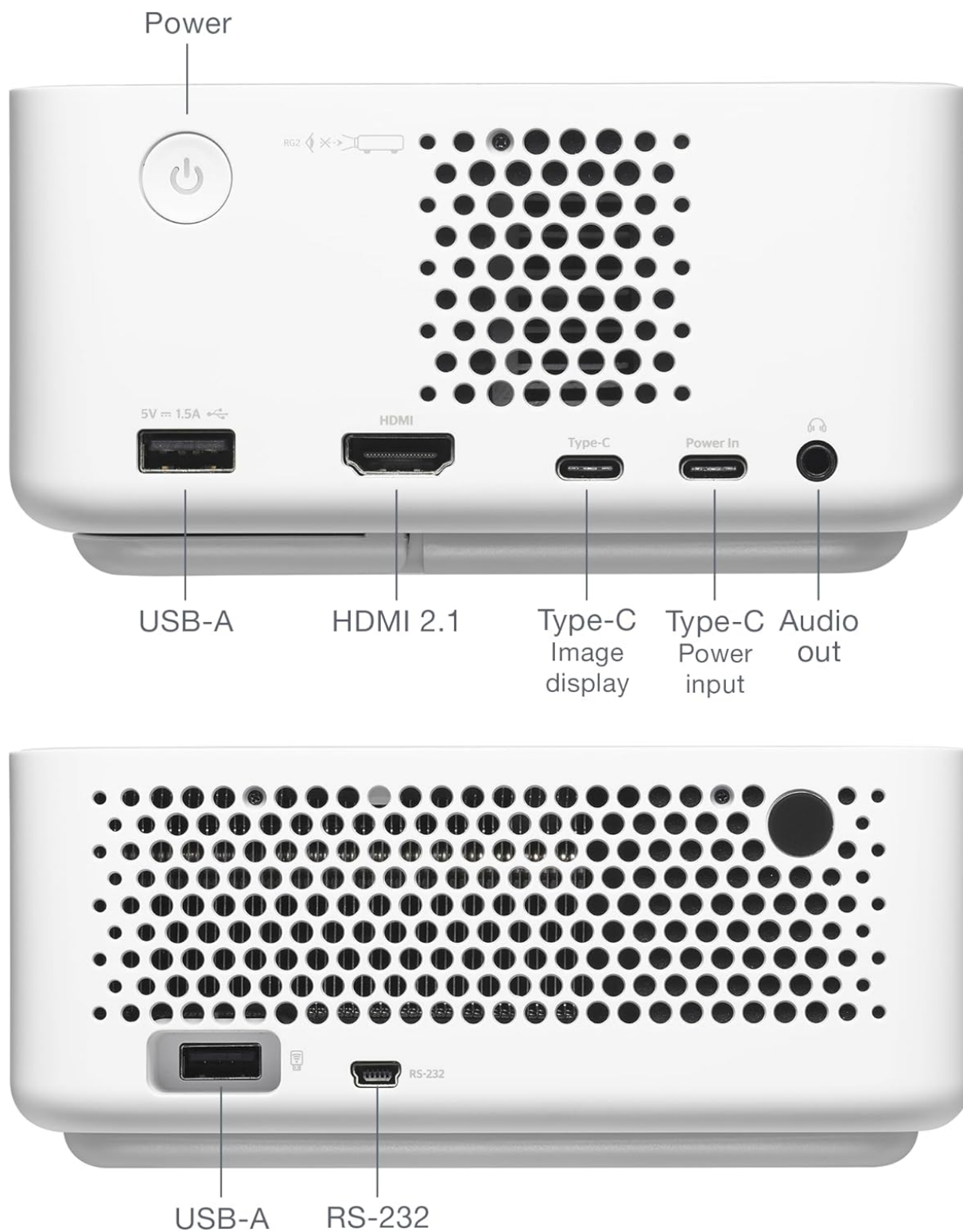
For an enhanced gaming experience, activate the Enhanced Game Mode and Auto Low Latency Mode (ALLM) through the projector settings. This reduces input lag to 23ms at 1080p60 and 4K60.

Official video demonstrating the portability, RGB Triple Laser technology, instant setup with Time-of-Flight, built-in speaker, and multiple input options of the Optoma ML1080 projector.

CONNECTIVITY

Available Ports

- **HDMI 2.1:** Connect to Blu-ray players, gaming consoles, or other HDMI-enabled devices.
- **USB Type-C (Image Display):** Connect compatible devices for video and audio transmission.
- **USB Type-C (Power Input):** For powering the projector with a compatible portable battery.
- **USB-A:** For media playback from USB drives or connecting an optional EZC-USB Wireless adapter for streaming.
- **3.5mm Audio Out:** Connect external speakers or headphones.



Rear view of the Optoma ML1080 projector, showing the various input and output ports including USB-A, HDMI 2.1, USB-C (Image display), USB-C (Power input), and Audio out.

MAINTENANCE

Cleaning the Lens

Use a soft, lint-free cloth specifically designed for optical lenses. Gently wipe the lens to remove dust or smudges. Avoid abrasive materials or harsh chemicals.

General Cleaning

Wipe the exterior of the projector with a soft, dry cloth. Do not use liquid cleaners directly on the unit.

Ventilation

Ensure the projector's ventilation openings are clear and unobstructed to prevent overheating.

TROUBLESHOOTING

No Image Display

- Check power connections and ensure the projector is turned on.
- Verify the input source is correctly selected.
- Ensure the source device is powered on and outputting a signal.

Blurry Image

- Allow the projector to complete its automatic focus adjustment.
- Ensure the projection surface is flat and free of obstructions.

No Audio

- Check the volume level on the projector and the source device.
- If using external speakers, ensure they are properly connected and powered.

SPECIFICATIONS

- **Product Dimensions:** 12.5 x 10 x 4.75 inches
- **Item Weight:** 2.2 pounds
- **Item Model Number:** ML1080
- **Batteries:** 1 Lithium Metal battery required (included)
- **Manufacturer:** Optoma Technology Inc
- **Recommended Uses:** Gaming, Home Cinema, Road Warrior, SMB and Work From Home
- **Special Features:** 100% REC.709 | 98% DCI-P3, Enhanced Game Mode w/ ALLM, RGB Laser Technology, Time-of-Flight (ToF) Technology, Ultra-Portable
- **Connectivity Technology:** 3.5mm Audio, HDMI, USB
- **Display Resolution:** 1920 x 1080

ML1080 Dimensions & Connectivity

6.18'' (157mm)

5.31"
(135mm)

2.68"
(68mm)



Connectivity

- 1 USB-A
- 2 RS-232
- 3 Power
- 4 USB-A
- 5 HDMI 2.1
- 6 USB-C (Image display)
- 7 USB-C (Power input)
- 8 Audio out

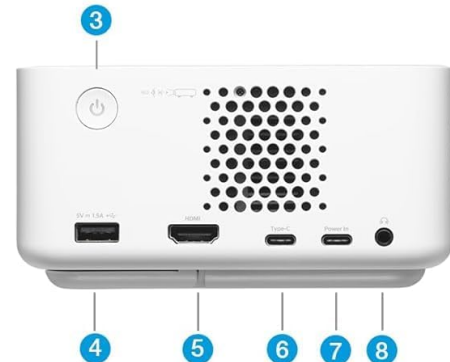


Diagram illustrating the dimensions and connectivity ports of the Optoma ML1080 projector.

WARRANTY AND SUPPORT






For warranty information and technical support, please refer to the official Optoma website or contact Optoma customer service. Keep your purchase receipt for warranty claims. Online resources may include FAQs, driver downloads, and service center locations.

Related Documents - ML1080



Optoma Photon Go Portable Smart Projector

Discover the Optoma Photon Go, a smart portable ultra short throw projector featuring Full HD, RGB triple laser technology, Google TV, and a built-in battery for up to 1.5 hours of playback. Ideal for vibrant, cinema-grade visuals anywhere.

 <p>Optoma ZH520 Compact Full HD 1080p Laser Projector with 5500 Lumens</p> <ul style="list-style-type: none">• Bright 5500 lumens laser projector• DuraCore laser technology• 30,000 hours of maintenance-free operation• IP6X certification• 1.3x zoom• Flexible installation options	<p>Optoma ZH520: Compact Full HD 1080p Laser Projector with 5500 Lumens</p> <p>Discover the Optoma ZH520, a compact, eco-friendly Full HD 1080p laser projector delivering 5500 lumens. Features DuraCore laser technology for 30,000 hours of maintenance-free operation, IP6X certification, 1.3x zoom, and flexible installation options.</p>
 <p>Optoma EH460ST Bright short throw 1080p projector</p> <p>Windows presentation and multimedia</p>	<p>Optoma EH460ST: Bright Short Throw 1080p Full HD Projector - Features & Specifications</p> <p>Detailed overview of the Optoma EH460ST short throw projector, featuring 4200 lumens, 1080p resolution, extensive connectivity options, and PC-free functionality for presentations and multimedia.</p>
 <p>Optoma GT2000HDR Ultra-Compact Short Throw Laser Projector Full HD, 4K HDR</p> <ul style="list-style-type: none">• Bright 3500 lumens laser projector• 4K UHD and HDR compatibility• Eco-friendly design• 100-inch image from just over three feet	<p>Optoma GT2000HDR Ultra-Compact Short Throw Laser Projector Full HD, 4K HDR</p> <p>Discover the Optoma GT2000HDR, an ultra-compact short throw Full HD laser home projector. Featuring 3500 lumens, 4K UHD and HDR compatibility, eco-friendly design, and a 100-inch image from just over three feet, it's ideal for gaming and home entertainment.</p>
 <p>Optoma HZ146X-W Full HD Laser Home Projector</p> <ul style="list-style-type: none">• Bright 3800 lumens laser projector• 1080p resolution• Advanced gaming capabilities	<p>Optoma HZ146X-W Full HD Laser Home Projector Specifications and Features</p> <p>Explore the features and technical specifications of the Optoma HZ146X-W, a compact, high-brightness Full HD laser home projector with 3800 lumens, 1080p resolution, and advanced gaming capabilities.</p>
 <p>Optoma UHD38x 4K UHD Projector</p> <ul style="list-style-type: none">• True 4K UHD resolution• 4000 lumens• 240Hz refresh rate• 4.2ms input lag	<p>Optoma UHD38x 4K UHD Projector: Specifications and Features</p> <p>Detailed specifications and features of the Optoma UHD38x projector, a bright True 4K UHD device for gaming and home entertainment, highlighting its 4000 lumens, 240Hz refresh rate, and 4.2ms input lag.</p>