

Optoma GT2000HDR

Optoma GT2000HDR Projector User Manual

MODEL: GT2000HDR

1. Introduction and Overview

The Optoma GT2000HDR is a compact yet powerful home theater and gaming projector designed to deliver an immersive viewing experience. It features DuraCore laser light technology, ensuring up to 30,000 hours of virtually maintenance-free operation, complemented by an IPX6 dust resistance rating for enhanced durability. Its short-throw lens is particularly advantageous for smaller environments, capable of projecting a 120-inch image from a mere 4 feet 4 inches away. The projector supports 1080p HD resolution for sharp and detailed content without compression, and is compatible with 4K HDR input, offering rich cinematic colors and a high 300,000:1 contrast ratio. An enhanced game mode provides lightning-fast response times, making it suitable for gaming. This model is also energy-efficient, consuming significantly less power than traditional lamp-based projectors, and includes versatile HDMI and USB connectivity for various devices.

2. Setup Guide

Setting up your Optoma GT2000HDR projector is designed to be straightforward. The compact size and short-throw capability allow for flexible placement, even in confined spaces. For optimal image quality, ensure the projector is placed on a stable, level surface or securely mounted to the ceiling. The projector features easy keystone correction, allowing you to quickly adjust the image shape to be perfectly rectangular, even if the projector is not perfectly aligned with the screen.



Figure 2.1: Front view of the Optoma GT2000HDR Projector, showcasing its compact design.



Figure 2.2: Angled rear view of the Optoma GT2000HDR Projector, highlighting its various input ports for easy connectivity.

3. Operating Instructions

To operate the Optoma GT2000HDR, simply connect your desired source device (e.g., gaming console, streaming device, computer) via HDMI or USB. The projector boasts a quick boot-up time, allowing you to start your entertainment or presentation almost instantly. The fan operates quietly, ensuring minimal distraction during use. An onboard speaker provides audio output, which is convenient for quick setups or when external audio systems are not available. The included remote control allows for easy power on/off, input selection, keystone correction, brightness adjustment, and volume control.

GT2000HDR Dimensions & Connectivity

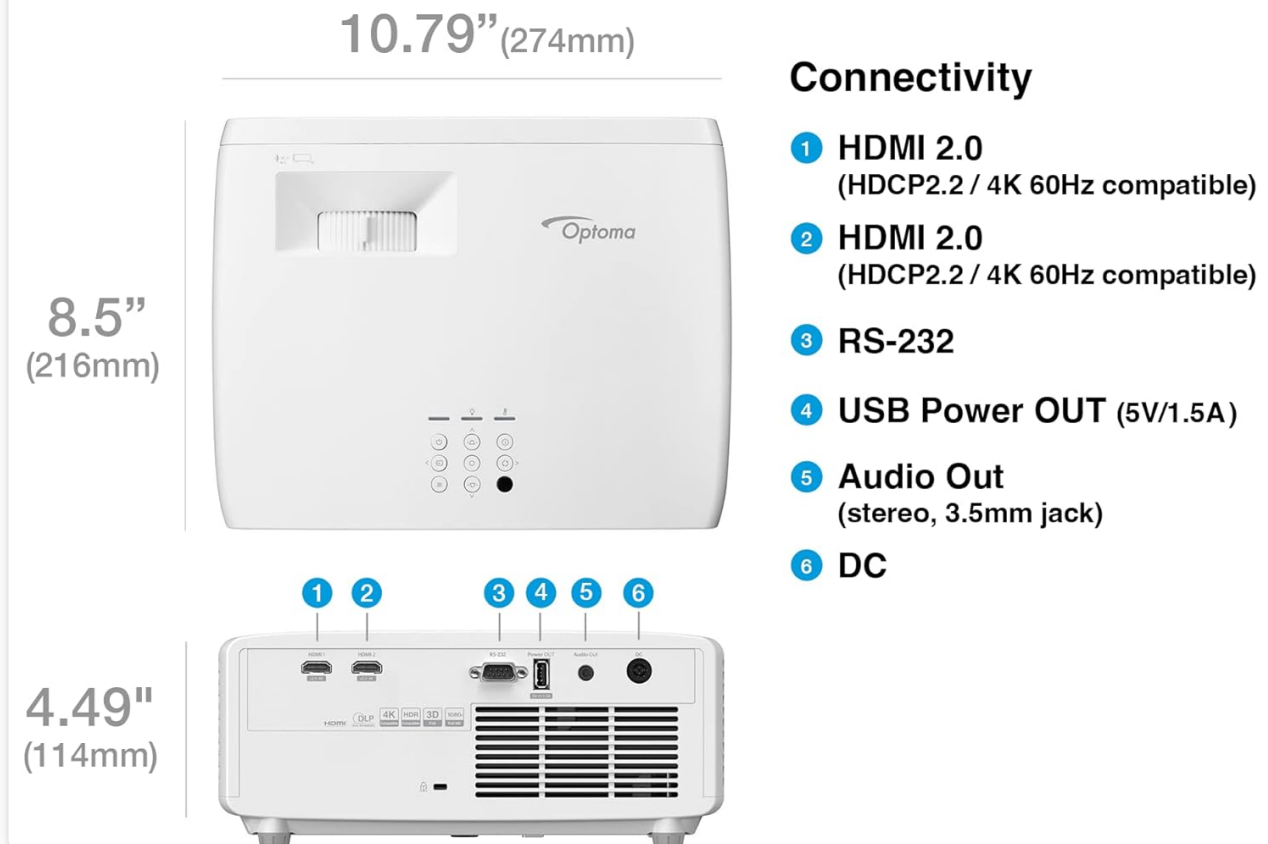


Figure 3.1: A family enjoying a movie projected by the Optoma GT2000HDR, demonstrating its home theater capabilities.



Figure 3.2: A couple playing video games using the Optoma GT2000HDR, highlighting its suitability for gaming.

4. Key Features

- **Dependable Laser Light Source:** DuraCore laser light technology offers up to 30,000 hours of virtually maintenance-free operation, eliminating the need for lamp and filter replacements.
- **IPX6 Dust Resistance:** Ensures enhanced durability and protection for the optical engine.
- **Short Throw Lens:** Projects a large 120-inch image from a short distance of just 4 feet 4 inches, ideal for

smaller rooms or golf simulators.

- **1080p HD Resolution:** Delivers sharp and detailed 1920x1080 high-definition content without downscaling or compression.
- **Enhanced Game Mode:** Provides lightning-fast response times (17ms at 4K60Hz @ 1080p60Hz, 8ms @ 1080p120Hz, 16ms @ 1080p60Hz) for a smooth gaming experience.
- **4K HDR Input & 300,000:1 Contrast Ratio:** Supports HDR10 and HLG, offering rich cinematic colors, brighter whites, and deeper blacks. Dynamic Black technology further enhances the contrast.
- **Compact & Energy Efficient:** Measures just 8.5" x 10.79" and consumes only 45% of the power used by typical lamp-based projectors.



Figure 4.1: Overview of the Optoma GT2000HDR's key features, including Full HD, DuraCore Laser, HDR compatibility, and DLP technology.



Figure 4.2: Illustration of the short-throw projection capability, showing a large image from a close distance.



Figure 4.3: Visual comparison demonstrating the clarity of 1080p Full HD resolution.



Figure 4.4: Depiction of the enhanced game mode, showing a user engaged in gaming with low input lag.



Figure 4.5: Split-screen image illustrating the vibrant colors and contrast provided by HDR compatibility.



Figure 4.6: Eco+ logo, representing the projector's energy-saving and environmentally friendly features.

5. Connectivity

The Optoma GT2000HDR offers robust connectivity options to integrate seamlessly with your existing devices. It includes multiple HDMI ports for high-definition video and audio input, and USB ports for power output and device connectivity. These options ensure compatibility with a wide range of gaming consoles, streaming devices, and computers.



Figure 5.1: Diagram illustrating the dimensions and connectivity ports of the Optoma GT2000HDR.

6. Maintenance

The Optoma GT2000HDR is designed for minimal maintenance thanks to its DuraCore laser light technology. This eliminates the need for traditional lamp replacements, offering up to 30,000 hours of operation. The IPX6 dust resistance rating further reduces the need for frequent cleaning, ensuring the optical engine remains protected from dust ingress. Regular dusting of the exterior and ensuring proper ventilation will help maintain optimal performance and longevity.

7. Troubleshooting

If you encounter any issues with your Optoma GT2000HDR projector, please refer to the following general troubleshooting tips:

- **No Image:** Ensure all cables (HDMI, power) are securely connected. Verify the input source is correctly selected on the projector and the source device is powered on.
- **Fuzzy or Distorted Image:** Adjust the focus and keystone correction settings using the remote control. Ensure the projection surface is flat and clean.
- **No Audio:** Check the volume settings on both the projector and the source device. If using external speakers, ensure they are properly connected and powered.
- **Overheating:** Ensure the projector's vents are not blocked and there is adequate airflow around the unit. Operate the projector in a well-ventilated area.
- **Remote Control Not Working:** Check the battery in the remote control. Ensure there are no obstructions between the remote and the projector's IR receiver.

For more detailed troubleshooting or persistent issues, please contact Optoma customer support.

8. Specifications

Feature	Detail
Brand	Optoma
Model Number	GT2000HDR
Item Weight	6.61 pounds
Product Dimensions	4.49 x 10.79 x 8.5 inches
Color	White
Display Resolution	1920 x 1080 (1080p HD)
Light Source	Laser (DuraCore)
Light Source Life	Up to 30,000 hours
Brightness	3,500 Lumens
Contrast Ratio	300,000:1 (Dynamic Black)
Throw Ratio	Short Throw (120" image from 4' 4")
Connectivity Technology	HDMI, USB
Special Features	Laser Light Source, Low Power Consumption, Short Throw, Ultra-Compact, 4K HDR Input Compatible, Enhanced Game Mode
Dust Resistance	IPX6
Recommended Uses	Business, Education, Gaming, Home Cinema

9. What's in the Box

Upon opening the Optoma GT2000HDR packaging, you should find the following items:

- Optoma GT2000HDR Projector
- Power Cord
- Remote Control
- Battery for Remote Control
- User Manual (this document)

10. Warranty and Support

Your Optoma GT2000HDR projector comes with a standard manufacturer's warranty. Please refer to the warranty card included in your product packaging for specific terms, conditions, and duration. For technical support, troubleshooting assistance, or service inquiries, please visit the official Optoma website or contact their customer service department. Keep your proof of purchase for warranty claims.

