

[Manuals.plus](#) /

› [Optoma](#) /

› Optoma UHZ36 4K UHD Laser Home Theater Projector User Manual

Optoma UHZ36

Optoma UHZ36 4K UHD Laser Home Theater Projector User Manual

Model: UHZ36

PRODUCT OVERVIEW

The Optoma UHZ36 is a 4K UHD laser projector designed for home theater use, delivering approximately 3,500 ISO lumens. It features Filmmaker Mode to preserve true frame rate, color, and aspect ratio, and MEMC for smooth motion in fast-paced content. The DuraCore laser light source offers an extended lifespan of up to 30,000 hours. This projector supports HDR with Rec.709, Pure Detail/Contrast, and includes HDMI connectivity and a 15W speaker for simplified setup.



The Optoma UHZ36 4K UHD Laser Projector, showcasing its sleek design and powerful projection capabilities.

Key Features

- **True 4K UHD Laser with HDR 10 Support:** Provides a sharper image with HDR for richer colors and deeper contrast.
- **HDR Support + Rec.709:** Delivers home theater-class brightness and contrast for vivid images across all media.
- **Filmmaker Mode:** Preserves the director's creative intent by maintaining accurate colors, contrast, temperature, and gamma, ensuring scenes are displayed as originally envisioned.
- **Pure Motion:** Ensures fluid, lifelike visuals by keeping fast-paced scenes sharp and smooth, reducing blur and judder.
- **PureEngine Ultra:** Next-generation image enhancement technology that optimizes dark and light scenes for enhanced contrast, boosts color output, adjusts brightness based on the scene, and sharpens image detail for lifelike color reproduction.

PACKAGE CONTENTS

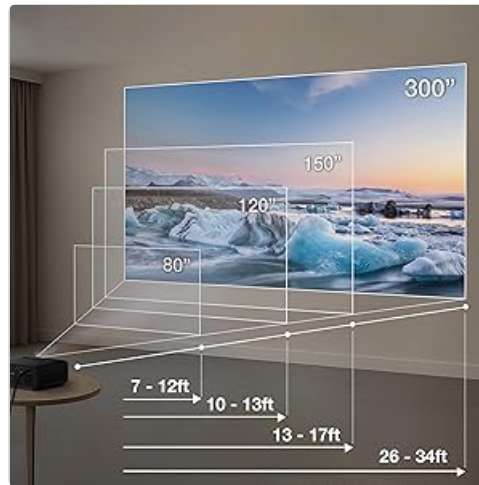
Verify that all items are present in the box before proceeding with setup.

- Optoma UHZ36 Projector
- Power Cable
- Quick Start Guide (QSG)
- Home Remote Control
- 2x AAA Batteries

SETUP GUIDE

Placement

The Optoma UHZ36 can be used for tabletop or ceiling mount installations. Ensure the projector is placed on a stable, level surface or securely mounted to the ceiling. Proper physical setup is crucial for optimal image quality.



This diagram shows the recommended throw distances for different screen sizes: 7-12 feet for an 80-inch screen, 10-13 feet for a 120-inch screen, 13-17 feet for a 150-inch screen, and 26-34 feet for a 300-inch screen.

Connectivity

Connect your source devices to the projector using the available ports. The projector supports various input and output options.



30000



DURACORE LASER

Maintenance-free 30,000-hour Lifespan

This image displays the rear panel of the Optima UHZ36, detailing its dimensions and connectivity ports including HDMI 2.0 (with ARC pass-through), HDMI 2.0, RS-232, USB (5V/1.5A), Audio Out, 12V Trigger, and DC power input.

- **HDMI 2.0:** Two HDMI 2.0 ports are available, with HDMI 1 supporting ARC pass-through for audio return.
- **USB-A Power:** One USB-A port provides 1.5A power for external devices.
- **Audio Out:** A 3.5mm audio output jack is provided.
- **12V Trigger:** For automated screen control.
- **RS232:** For control system integration.

Initial Power On and Image Adjustment

After connecting the power cable and source devices, power on the projector. The UHZ36 features auto-vertical keystone correction for quick image alignment. For precise adjustments, manual keystone and four-corner correction options are available. Ensure the image fills your screen properly without distortion.



The image illustrates the automatic vertical keystone feature, which helps achieve a perfect fit for the projected image on the screen.

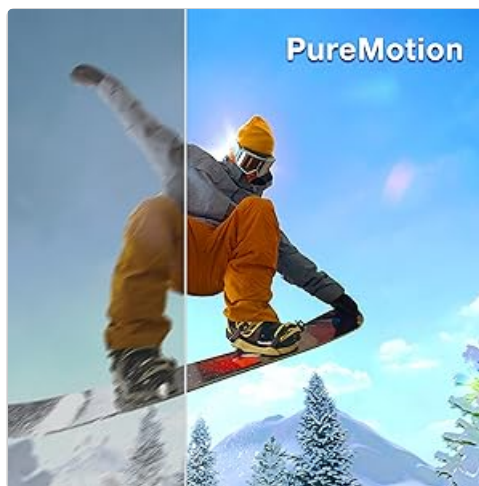
Picture Modes and Enhancements

The Optoma UHZ36 offers several picture modes and enhancement technologies to optimize your viewing experience:

- **Filmmaker Mode:** Activates settings that preserve the original cinematic intent, including accurate colors, contrast, and aspect ratio.
- **HDR Support + Rec.709:** Enhances dynamic range and color accuracy for compatible content.
- **Pure Motion:** Reduces motion blur and judder in fast-moving scenes, ideal for sports and action movies.
- **PureEngine Ultra:** An advanced image processing suite that optimizes contrast, boosts color, adjusts brightness, and sharpens details.



A cinematic scene projected in Filmmaker Mode, designed to deliver an authentic viewing experience as intended by the director.



This split image demonstrates the effect of PureMotion, with the left side showing motion blur and the right side showing a clear, smooth image of a snowboarder.

Brightness Control

The projector delivers 3500 lumens of brightness. You can adjust the laser power level to suit your viewing environment. For optimal performance in well-lit rooms, use higher brightness settings. For darker environments, reducing the laser power can enhance contrast and black levels. The 'VIVID' picture mode can provide maximum brightness, though it may introduce a slight green tint.



A family enjoying a hockey game projected onto a large screen, highlighting the 3500 lumens brightness suitable for ambient light conditions.

MAINTENANCE

Laser Light Source

The Optoma UHZ36 utilizes a DuraCore laser light source with an operating life of up to 30,000 hours. This provides long-term, maintenance-free operation compared to traditional lamp-based projectors.



This image emphasizes the 30,000-hour lifespan of the DuraCore Laser light source, indicating long-term reliability.

Cleaning

To ensure optimal performance and longevity, regularly clean the projector's vents to prevent dust buildup. Occasionally blowing out dust from the internal components can help maintain efficient cooling and prevent overheating.

TROUBLESHOOTING

Common Issues and Solutions

- **Image Not Clear/Poor Quality:**

- Ensure proper physical setup and alignment.
- Calibrate the picture settings (e.g., reference video mode, gamma 2.2) for best results. Out-of-the-box settings may be acceptable but not optimized.
- Check focus and keystone adjustments.

- **Noticeable Noise:**

- In standard settings, the projector should be quiet.
- If 'high altitude' mode is enabled, fan speeds increase, leading to more noise. Disable if not required.
- Ensure proper ventilation around the projector.

- **Rainbow Effect (DLP):**

- Some users may be sensitive to the DLP rainbow effect. This is inherent to DLP technology.
- It is typically less noticeable during normal viewing and more apparent when darting eyes across small, bright areas on a dark background.

- **Picture Adjustments Unavailable:**

- Not all picture adjustments are available in every mode (e.g., HDR mode).
- Use 'Reference' mode for full access to all picture settings for detailed calibration.

- **No 3D Decoding:**

- Despite some online information, the UHZ36 does not natively support 3D decoding. The 3D button on the remote will not be active.

TECHNICAL SPECIFICATIONS

Feature	Specification
Brand	Optoma
Model Name	UHZ36
Display Resolution Maximum	3840 x 2160 Pixels (4K UHD)
Brightness	3500 Lumen
Contrast Ratio	1,500,000:1
Light Source Operating Life	30000 Hours
Display Type	DLP
Connectivity Technology	2x HDMI 2.0 (HDMI 1 supports ARC Pass-through), 1x USB-A power 1.5A, 1x Audio out 3.5mm, 1x 12V trigger, 1x RS232
Mounting Type	Tabletop or Ceiling Mount
Maximum Image Size	300 Inches
Minimum Image Size	28 Inches
Item Dimensions L x W x H	8.5"L x 10.8"W x 4.5"H
Item Weight	10.4 Pounds
Power Consumption	85 watts
Voltage	110 Volts (AC)
Compatible Devices	4K Blu-ray Players, Apple TV 4K, PS5, Roku 4K, Xbox Series X

WARRANTY AND SUPPORT

Warranty Information

The Optoma UHZ36 projector comes with a 1-year limited parts and labor warranty on the projector unit. The laser light source is covered by a 1-year or 20,000-hour warranty, whichever comes first.

Customer Support

For technical assistance, troubleshooting, or warranty claims, please contact Optoma customer support. Refer to the official Optoma website for the most up-to-date contact information and support resources.

PRODUCT VIDEOS

UHZ36 Home Theater Projector Overview

Your browser does not support the video tag.

This official video provides an overview of the Optoma UHZ36 Home Theater Projector, highlighting its key features and benefits for an immersive home entertainment experience.