

# Bright 1080p Laser Projector

## KHZ39HDR



### Exceptional colors and image quality for home entertainment



- 4,500 ANSI lumens with 300,000:1 contrast ratio
- Flexible installations with 1.3x zoom
- 4K UHD and 1080p HDR (HDMI 2.0) input compatible
- Accurate color with sRGB & REC.709 color profile
- Powerful 10-watt speaker
- DuraCore maintenance-free laser light source up to 30,000 hours
- Quiet operation



Bring the cinematic experience home with the incredible 4,500 lumens, 1080 p Optoma KHZ39HDR laser home theater projector. A DuraCore Laser light source eliminates lamp and filter replacements for up to 30,000 hours of maintenance-free operation with stunning color and image quality throughout the life of the projector.

The compact size and low weight make mounting a breeze while its quiet operation ensures the HZ39HDR is seen, not heard. Vertical keystone correction and a 1.3x optical zoom provide flexible installation options.

Blu-ray 3D support brings the immersive 3D movie experience home when paired with optional DLP-Link 3D glasses. Robust inputs include HDMI 2.0 and VGA for connectivity to a wide range of devices.

### CONNECTIVITY (May require optional accessories)



Computers



Smart Phones



Tablets



3D Blu-ray/DVD Players



Camcorders



Apple TV®



Chromecast™

## OPTICAL/TECHNICAL SPECIFICATIONS

<b>Display Technology</b>	Texas Instruments™ 0.65" 1080p DMD
<b>Color Wheel</b>	4 segment RGBY
<b>Native Resolution</b>	1080p
<b>Maximum Resolution</b>	<b>HDMI 2.0:</b> 4K UHD (3840 x 2160 @ 60Hz) 4K (4096 x 2160, 60Hz) <b>HDMI 1.4:</b> WUXGA (1920 x 1200)
<b>Brightness</b>	4,500 ANSI lumens
<b>Contrast Ratio</b>	300,000:1 (Extreme Black enabled) 1,800:1 full on/full off
<b>Displayable Colors</b>	1.07 billion
<b>Lamp Life*</b>	Up to 30,000 hrs (Eco), 20,000 hrs (Normal)
<b>Light Source Type*</b>	DuraCore Laser
<b>Projection Method</b>	Front, rear, ceiling mount, table top
<b>Keystone Correction</b>	±30° vertical
<b>Geometry</b>	Vertical keystone
<b>Uniformity</b>	75%
<b>Offset</b>	100%
<b>Aspect Ratio</b>	16:9 (native), 4:3, LBX, auto compatible
<b>Throw Ratio</b>	1.21-1.59:1±5%
<b>Projection Distance</b>	2.4'- 34.7' (without zoom)
<b>Image Size</b>	28" – 300.3"
<b>Projection Lens</b>	f=12.81-16.74mm, F=1.94-2.23
<b>Optical Zoom</b>	1.3x
<b>Digital Zoom</b>	0.8 - 2.0x
<b>Audio</b>	10W
<b>Noise Level</b>	32db
<b>Remote Control</b>	Full size remote with laser pointer
<b>360° and Portrait mode operation</b>	Yes
<b>Operating Temperature</b>	41-104°F (5-40°C), 85% max humidity
<b>Power Supply</b>	AC input 100-240V, 50-60Hz, auto-switching
<b>Power Consumption</b>	Bright: 246W typical, 283W max Eco: 193W typical, 220W max
<b>High Altitude</b>	Operating temperature at sea level up to 10,000 feet = 104° F (max); Must manually switch to high altitude mode from 5,000 feet and above (using OSD menu) to maintain optimal functionality.

## COMPATIBILITY SPECIFICATIONS

<b>Computer Compatibility</b>	VGA, SVGA, HDTV(720P), WXGA, WXGA+, SXGA, SXGA+, UXGA, HDTV(1080p), WUXGA, 4K, 4K UHD
<b>Video Input Compatibility</b>	PAL, SECAM, 576i/p, NTSC, 480i/p, HDTV 720p/1080i/1080p 4K UHD 2160p (24/50/60 Hz), 4K
<b>3D Compatibility†</b>	Supports all HDMI 1.4a mandatory 3D formats (Frame pack, side-by-side, top-bottom) and up converts frame rate from 60Hz to 120Hz or 24Hz to 144Hz (i.e. 60 or 72 frames per eye). 3D glasses are needed and sold separately. Refer to user manual for details.
<b>Vertical Scan Rate</b>	24 ~ 85 Hz (120 Hz for 1080p 3D feature)
<b>Horizontal Scan Rate</b>	15.375 ~ 91.146 KHz
<b>User Controls</b>	Graphic user interface and on-screen menu in 27 languages
<b>I/O Connection Ports</b>	1x HDMI 2.0 (HDCP 2.2, MHL), 1x HDMI 1.4, 1x VGA, 1x audio in (3.5mm), 1x USB-A (power, 5V, 1.5A), 1x micro USB (service)
<b>Control</b>	1x RJ-45, 1x RS-232C

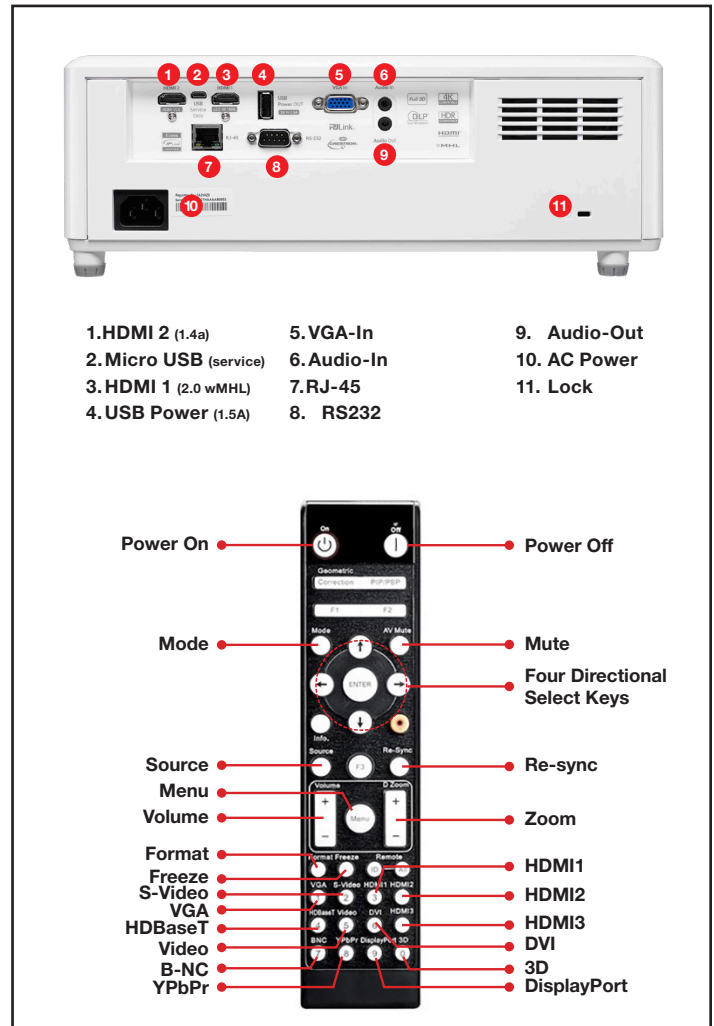
## PHYSICAL SPECIFICATIONS

<b>Security</b>	Kensington® lock port, password (OSD)
<b>Weight</b>	9.4 lbs
<b>Dimensions (W x H x D)</b>	13.26" x 4.8" x 10.5"

\*Light source life is dependent on brightness mode, display mode, usage, environmental conditions and more. Light source brightness can decrease over time.

†Watching 3D projection while wearing 3D glasses for an extended period of time may cause headaches or fatigue. If you experience a headache, fatigue or dizziness, stop viewing the 3D projection and rest.

Portrait orientation must follow the recommended positions. Please consult the user manual for further information.



### Warranty

3-year or 12,000 hour light source warranty (whichever comes first), 3-year parts and labor limited warranty on the projector.

### What's in the Box

KHZ39HDR, AC power cable, remote control, batteries, quick start user

### manual Accessories

Universal Ceiling mount: OCM815W  
 Universal Ceiling mount: OCM818W-RU  
 Universal Ceiling mount: BM-5001U  
 Remote (replacement): BR-3075W  
 Remote (optional/backlit): BR-3003B  
 4K UHD Casting and mirroring adapter: UHDCast Pro  
 QuickCast Pro 4K HDMI starter kit: QCP-SK-4K-HDMI (1 TX and 1 RX)  
 QuickCast Pro 4K HDMI starter kit: QCP-4K-KIT (2 TX, 1 RX, 1 Cradle)

UPC 796435 81 368 0

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