








# Bright 1080P HDR Projection

## HD39HDR



### Exceptional home entertainment and gaming performance



-  Incredible 4,500 lumens and 50,000:1 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
-  Enhanced Gaming Mode delivers up to 8.4ms response time at 1080p, 120Hz
-  Powerful 10-watt speaker
-  Minimal maintenance with 15,000 hour lamp life



1080P



Full 3D



Experience incredible HDR technology on a massive screen with the 1080p, 4,500 lumens Optoma HD39HDR home entertainment projector. Gamers can take advantage of the Enhanced Gaming Mode, combined with a 120Hz refresh rate for lightning-fast, 8.4ms response times for lag-free gaming.

The 1.3x zoom and keystone correction deliver flexible installation options. Powerful 10-watt audio fills a room with loud and crisp audio to further enhance media and presentations.

Robust inputs include HDMI 2.0 and VGA for connectivity to a wide range of devices. A 15,000-hour lamp life enables many years of use with minimal maintenance.

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## Bright 1080p HDR Projection - HD39HDR

### OPTICAL/TECHNICAL SPECIFICATIONS

<b>Display Technology</b>	Texas Instruments 0.65" 1080p DMD
<b>Color Wheel</b>	6 Segment; RYGCWB
<b>Native Resolution</b>	1080p (1920 x 1080)
<b>Maximum Resolution</b>	HDMI 2.0: 4K UHD (3840 x 2160) HDMI 1.4a: WUXGA (1920 x 1200)
<b>Brightness</b>	4,500 ANSI lumens
<b>Contrast Ratio</b>	50,000:1
<b>HDR (High Dynamic Range)</b>	4K UHD and 1080p HDR10 compatible (HDMI 2.0 port only) Picture Modes: Bright, Detail, Film, Standard HDR SIM (simulate HDR effect with non-HDR content)
<b>Input Response</b>	Enhanced Gaming Mode (keystone disabled when in use) 16ms (1080p60) / 8.4ms (1080p120)
<b>Displayable Colors</b>	1.07 billion
<b>Lamp Life and Type*</b>	4,000/10,000/15,000 (Bright/Eco/Dynamic)
<b>Light Source Type*</b>	245W lamp
<b>Projection Method</b>	front, rear, ceiling mount, table top
<b>Keystone Correction</b>	±40 degree (vertical)
<b>Geometry</b>	Keystone correction
<b>Lens Shift</b>	N/A
<b>Uniformity</b>	80%
<b>Offset</b>	116% ±5%
<b>Aspect Ratio</b>	16:9(native), 4:3, LBX and auto compatible
<b>Throw Ratio</b>	1.12 - 1.47:1
<b>Projection Distance</b>	3.3'-32.8' (without zoom)
<b>Image Size</b>	30.8"-301.4"
<b>Projection Lens</b>	F=2.43-2.78, F=21.6
<b>Optical Zoom</b>	1.3x
<b>Digital Zoom</b>	0.8 - 2.0x
<b>Audio</b>	10W
<b>Noise Level</b>	26 dB
<b>Remote Control</b>	Full size remote
<b>360° and Portrait Mode Operation</b>	No
<b>Operating Temperature</b>	41-104°F (5-40°C), 85% max humidity
<b>Power Supply</b>	AC input 100 - 240V, 50 - 60 Hz, auto-switching
<b>Power Consumption</b>	325W max, 295W typical (Bright mode), 225W max, 205W typical (Eco Mode)
<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

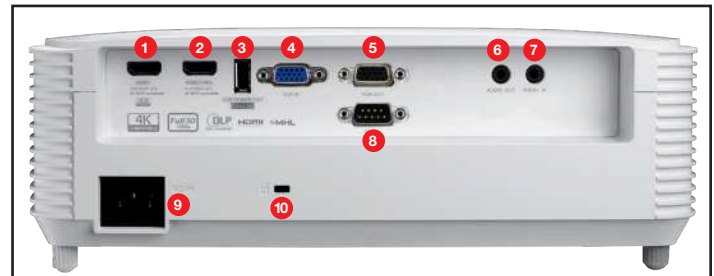
<b>Computer Compatibility</b>	VGA, SVGA, HDTV(720P), WXGA, WXGA+, SXGA, SXGA+, UXGA, HDTV(1080p), WUXGA
<b>Video Input Compatibility</b>	PAL, SECAM, 576i/p, NTSC, 480i/p, HDTV 720p/1080i/1080p
<b>3D Compatibility†</b>	Supports all HDMI 1.4a mandatory 3D formats (Frame pack, side-by-side, top-bottom) 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 are sold separately. Refer to user manual for details.
<b>Vertical Scan Rate</b>	50- 85 Hz (120Hz for 3D feature projector)
<b>Horizontal Scan Rate</b>	15.375-91.146 KHz
<b>Input lag</b>	32ms
<b>I/O Connection Ports</b>	1x HDMI 2.0, 1x HDMI 1.4a, 1x VGA, 1x audio in, 1x USB-A, 1x VGA out, 1x audio out
<b>Control</b>	RS232

### PHYSICAL SPECIFICATIONS

<b>Security</b>	Kensington® lock port, password (OSD)
<b>Weight</b>	7.7 lbs
<b>Dimensions (W x H x D)</b>	12.4(W) x 9.5 (D) x 4.5(H)

\*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.



- |                  |              |                     |
|------------------|--------------|---------------------|
| 1. HDMI 2.0      | 5. VGA-Out   | 9. AC power         |
| 2. HDMI 1.4a     | 6. Audio-Out | 10. Kensington lock |
| 3. USB-Power/out | 7. Audio-In  |                     |
| 4. VGA-In        | 8. RS232     |                     |



#### Warranty

1-year limited warranty, 90-days on lamp

#### What's in the Box

HD39HDR projector, AC power cord, remote control, batteries for remote, quick start guide and warranty card

#### Optional Accessories

Ceiling mount

#### Accessory Part Numbers

Lamp: BL-FU245A  
Remote: BR-3003B  
Carrying case: BK-4028  
Ceiling mount: OCM815W  
Ceiling mount: OCM818W-RU  
Ceiling mount: BM-5001U

UPC 796435 81 333 8

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