

# 3D HOME THEATER PROJECTOR HD91



## 3D LED FOR TRUE-TO-LIFE CINEMATIC EXPERIENCE



LED light source produces a wider color gamut for bright, vibrant images with deeper color saturation and never a bulb to buy or replace



Full 3D capability plus 2D to 3D conversion. Enjoy any content in 3D



PureMotion technology for sharp, clear, judder free video



UltraDetail technology further enhances visible detail



Full lens shift and 1.9x Zoom Ratio for maximum installation flexibility



Economical to operate. Consumes 53% less power than comparable lamp based models.



The top of the line Optoma HD91 full LED Home Cinema projector is the product of Optoma's 10-Plus years of home theater projector design experience.

Its LED light source delivers 1000 lumens bright images with a mind-blowing 500,000:1 contrast ratio. Produces 127% wider color gamut than similar lamp based projectors, the result is a fantastic image quality with deep vibrant colors and superb saturation.

The Optoma HD91 is packed with an extensive list of advanced features. PureMotion technology for sharp, fluid, judder free video, UltraDetail technology further enhances visible detail, Full 3D capability with 2D to 3D conversion. The projector analyzes every frame to generate a natural 3D effect from 2D sources. Vertical and horizontal lens shift combined with a razor sharp 1.9x zoom ratio projection lens for maximum installation flexibility, ultra-quiet operation and much more.

Optoma's legendary commitment to quality ensures your projector will provide years of care-free operation.

## CONNECTIVITY (May require optional accessories)



COMPUTERS



SMART PHONES



TABLETS



3D BLU-RAY/DVD PLAYERS

SET TOP BOXES



CAMCORDERS



GAME CONSOLES



DIGITAL CAMERAS



Roku®



Apple TV®

## 3D HOME THEATER PROJECTOR — HD91

### OPTICAL/TECHNICAL SPECIFICATIONS

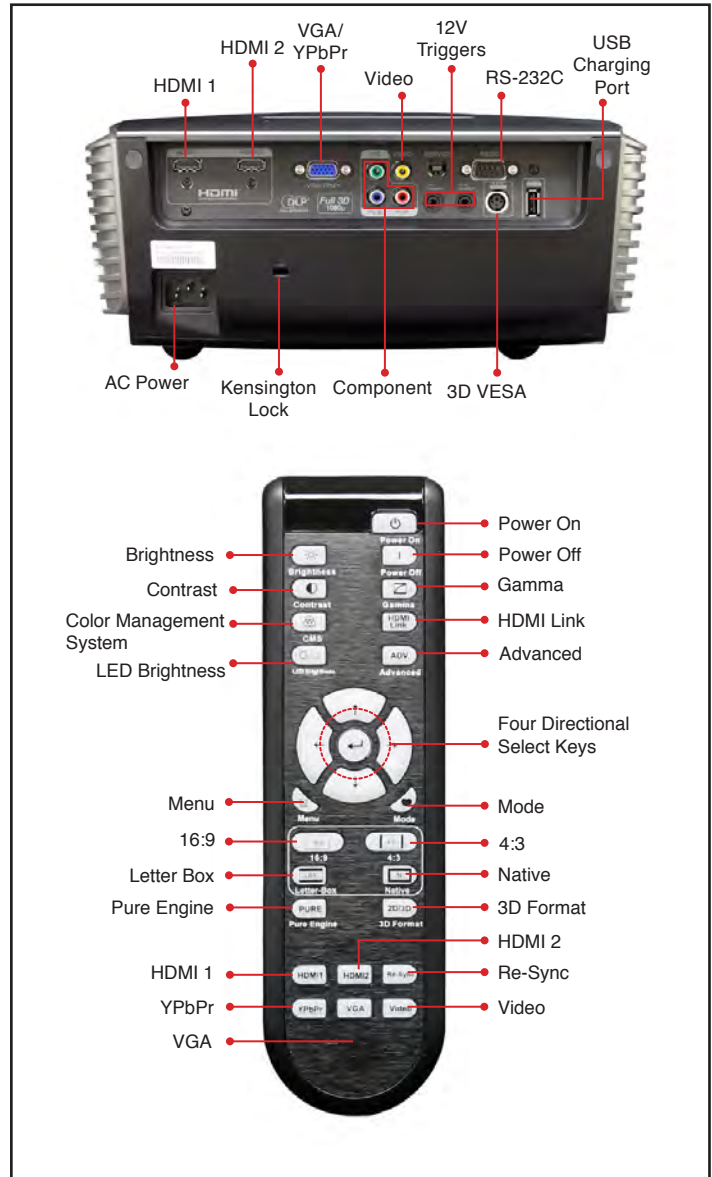
<b>Display Technology</b>	Single 0.65" DC3 DMD DLP® Technology by Texas Instruments™
<b>Native Resolution</b>	HD (1920 x 1080)
<b>Maximum Resolution</b>	WUXGA (1920 x 1200)
<b>Brightness</b>	1000 lumens
<b>Contrast Ratio</b>	500,000:1 (full on/full off)
<b>Displayable Colors</b>	1.07 Billion
<b>Lamp Life and Type*</b>	20,000+ hours LED
<b>Projection Method</b>	Front, rear, ceiling mount, table top
<b>Keystone Correction</b>	±30° Vertical
<b>Uniformity</b>	>85%
<b>Offset</b>	±60% Vertical, ±10% Horizontal
<b>Aspect Ratio</b>	16:9 Native, 4:3 compatible
<b>Throw Ratio</b>	1.5–2.89 (distance/width)
<b>Projection Distance</b>	4.3'–56.1'
<b>Image Size</b>	30"–300"
<b>Projection Lens</b>	F=2.3–3.39, f=22.56~42.87mm
<b>Noise Level</b>	23dB
<b>Remote Control</b>	IR backlit remote control
<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>	Max 250 Watts, Min 120 Watts, <0.5W (standby-ECO)

### COMPATIBILITY SPECIFICATIONS

<b>Computer Compatibility</b>	WUXGA, HD, UXGA, SXGA+, WXGA, SXGA, XGA, SVGA, VGA resized, VESA, PC and Macintosh compatible
<b>Video Input Compatibility</b>	NTSC, PAL, SECAM, SDTV (480i), EDTV (480p), HDTV (720p, 1080i/p)
<b>3D Compatibility†</b>	Supports all HDMI 1.4a mandatory 3D format, side-by-side format and top and bottom format
<b>Vertical Scan Rate</b>	24–85Hz, 120Hz–144Hz
<b>Horizontal Scan Rate</b>	15.375–91.146KHz
<b>User Controls</b>	Complete on-screen menu adjustment in 20 languages
<b>I/O Connection Ports</b>	Two HDMI 1.4a, VGA-in, component, composite video, USB-A (power), RS-232C, two 12V triggers, 3D VESA port

### PHYSICAL SPECIFICATIONS

<b>Security</b>	Kensington® lock port, and keypad lock
<b>Weight</b>	15.4 lb (7 kg)
<b>Dimensions (W x H x D)</b>	13.6" x 17.4" x 6.4" (345 x 443 x 161.5 mm)



#### Warranty

3-Year Optoma Express Service

#### In the Box (Standard Accessories)

HD91 projector, AC power cord, remote control, batteries for remote, RF 3D glasses, RF 3D emitter, multilingual CD-ROM user's manual, quick start card, and warranty card

#### Optional Accessories

HDMI cable, ceiling mount, component to VGA cable, RS-232 cable, Optoma screen, RF 3D glasses, RF 3D emitter

#### Accessory Part Numbers

Power Cord (11M): BC-PUPIX11      Mount: BM-5001U  
VGA to component adaptor: BC-VGCRXY00      RF 3D emitter: BG-BC100B  
Remote: SP.85F02GC01

UPC 796435 81 200 3

# Touchboards

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**Optoma**  
Projector Expert

†3D content can be viewed with RF active shutter glasses when projector is used with a compatible 3D player. RF 3D glasses require the use of an RF 3D emitter and a projector with a 3D VESA Sync port. Please visit [www.OptomaUSA.com](http://www.OptomaUSA.com) for more information.

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