






# 3D HOME THEATER PROJECTOR HD91+



## Superb Performance For The Long Run



-  Set it and forget it – 20,000 hour LED light source maintains brightness and displays consistent grayscale and color for the life of the projector
-  Impressive motion handling and clarity with PureMotion II and Ultra Detail processing
-  Ease of installation featuring high quality center mounted 1.9X zoom lens and horizontal / vertical shift
-  Reference quality 2D and 3D high definition performance
-  Excellent out-of-box image with multiple pre-set selections, extensive calibration control and ISFccc daytime / nighttime settings



The top of the line Optoma HD91+ Home Cinema projector will be the ultimate performer in your dedicated home theater for years to come. It displays vivid colors and razor sharp images that hold up even during intense on screen action.

The HD91+ enables superb 2D and 3D viewing. The projector displays life like 3D images from 3D sources and can be set to convert 2D videos to 3D. To view 3D images optional RF emitter and 3D glasses are required.

The LED RGB light source used in the HD91+ will provide amazingly consistent performance for years to come and will require minimal maintenance. In the rare instance when service is required, the HD91+ is covered by our industry leading 3-Year warranty.

## 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®



Chromecast™

## 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>	1500 lumens
<b>Contrast Ratio</b>	600,000:1 (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=22.56~42.87 mm
<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 225 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)



- 1. HDMI-1
- 2. HDMI-2
- 3. VGA-In
- 4. Component
- 5. Composite Video
- 6. RS-232C
- 7. 12V Trigger-1
- 8. 12V Trigger-2
- 9. 3D VESA Port
- 10. USB-A (power)
- 11. AC Power
- 12. Kensington Lock



#### 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

Remote: SP.85F02GC01      Mount: BM-5001U  
 VGA to component adaptor: BC-VGCRXY00      Power Cord (11M): BC-PUPIXY11  
 RF 3D Glasses: ZF2300GLASSES      RF 3D emitter: BC300  
 Wireless HDMI system: WHD200

UPC 796435 81 229 4

www.OptomaUSA.com



†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 for more information.

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