

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

Display Technology	Single 0.65" DC3 DMD DLP® Technology by Texas Instruments™
Native Resolution	HD (1920 x 1080)
Maximum Resolution	WUXGA (1920 x 1200)
Brightness	1000 lumens
Contrast Ratio	500,000:1 (full on/full off)
Displayable Colors	1.07 Billion
Lamp Life and Type*	20,000+ hours LED
Projection Method	Front, rear, ceiling mount, table top
Keystone Correction	±30° Vertical
Uniformity	>85%
Offset	±60% Vertical, ±10% Horizontal
Aspect Ratio	16:9 Native, 4:3 compatible
Throw Ratio	1.5–2.89 (distance/width)
Projection Distance	4.3'–56.1'
Image Size	30"–300"
Projection Lens	F=2.3–3.39, f=22.56~42.87mm
Noise Level	23dB
Remote Control	IR backlit remote control
Operating Temperature	41–104°F (5–40°C), 85% max humidity
Power Supply	AC Input 100–240V, 50–60Hz, auto-switching
Power Consumption	Max 250 Watts, Min 120 Watts, <0.5W (standby-ECO)

COMPATIBILITY SPECIFICATIONS

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

PHYSICAL SPECIFICATIONS

Security	Kensington® lock port, and keypad lock
Weight	15.4 lb (7 kg)
Dimensions (W x H x D)	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

www.OptomaUSA.com

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 for more information.

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