

## HD81-LV Home Theater Projector

### The Definitive Widescreen Home Theater Solution

The Optoma HD81-LV is a distinctive two-piece projection system that includes a native 1080p projector and studio-grade video processor. And, with its optional widescreen anamorphic lens, the HD81-LV makes a unique home theater video system for a complete cinematic experience. Featuring Texas Instruments' DarkChip3™ chipset, the HD81-LV is able to deliver rich and deep textures with astonishing image quality. With personalized setting adjustments, extensive connectivity options and 2500 lumens with a 10,000:1 contrast ratio, the Optoma HD81-LV transports the widescreen theater environment to the home.



### Features

- 1080p DarkChip3 DLP® chipset and BrilliantColor™ technologies by Texas Instruments
- Native 1080p (1920 x 1080) resolution
- 2500 lumens with a 10,000:1 contrast ratio (with ImageAI-II™)
- Video processor supports up-scaling to 1080p with de-interlacing
- The Auto-IRIS and Auto235 functions automatically detect the aspect ratio, then formats the image for the anamorphic lens

### Specifications

#### Brightness

2500 ANSI Lumens

#### Resolution

Native 1080p (1920 x 1080)

#### Contrast Ratio

10000:1

#### Image Processing

Motion Adaptive 480i, 576i and 1080i De-Interlacing, 10-bit Image Processing, Advanced 3D Comb Filter, Three Presets Plus Three Programmable Display Formats, Advanced Noise Reduction and Sharpening

#### Color Management

User Definable Gamma, RBGCMY 6-Color 16 Region Adjustment, Three User Definable Modes Plus ISFccc Color Settings

#### Lamp Life and Type

2000 Hours, 300W UHP

#### Display Type

Single 0.95" DarkChip3 LVDS DMD DLP Technology by Texas Instruments

#### Throw Ratio (Distance/Width)

1.85 - 2.22:1 w/o Anamorphic Lens  
1.38 - 1.66:1 w/ Anamorphic Lens

#### Projection Distance

4.92' to 32.8'

#### Image Size

30" to 300"

#### Aspect Ratio

Native 16:9, Fully Automatic 2.35:1 w/ Anamorphic Lens

#### Keystone Correction

±5° Vertical

#### Displayable Colors

1.07 billion, 1024 levels of grayscale adjustments

#### Uniformity

90%

#### Computer Compatibility

SXGA, XGA, SVGA, VGA, VESA, PC and Macintosh Compatible

#### Video Compatibility

Full NTSC, PAL, SECAM, True HDTV (720p, 1080i/p), 480i/p, 576i/p

#### Projection Lens

F/2.6-2.82; f=39.12 -46.94mm, 1.2X Manual zoom/focus

#### I/O Connection Ports

*Projector:*

RS-232, HDMI, USB

*Video Processor:*

Three HDMI Plus One External HDMI Expansion, Two BNC Component YPbPr/RGBHV, Two Component, Three S-Video, Three Composite Video, One VGA, RS-232, Two 12V Triggers, One IR Port Extension

#### Weight

*Projector:* 10 lbs (4.5kg)

*Video Processor:* 9.2 lbs (3.6 kg)

#### Dimensions (W x H x D)

*Projector:*

16" x 5.3" x 12" (406 x 135 x 305 mm)

*Video Processor:*

17" x 2.5" x 11.5" (432 x 63.5 x 432 mm)

#### Noise Level

32dB

#### Operating Temperature

5 - 35°C, 80% Humidity

#### Storage Temperature

-20 - 60°C, 80% Humidity

#### Power Supply and Consumption

AC Input 90-264V, 50-60 Hz  
430W, < 12W Standby Mode

#### Warranty

*Projector:*

3 Years Optoma Express Replacement Service, 1 Year on Lamp

*Video Processor:*

3 Years Limited Parts and Labor

#### Standard Accessories

Two AC Power Cords, Two HDMI Cables, Component Cable, Two RS-232 Cables, Remote Control, Batteries for Remote, External IR Module, User's Manual, Lens Cap, Warranty Card and Quick Start Guide

#### Optional Accessories

Anamorphic Lens/Sled Kit, Ceiling Mount, GrayWolfll™ Series Screens, HDMI to DVI Cable and VGA to DVI Cable

#### UPC

796435 21 152 3

