

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® technology 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, GrayWolfII™ Series Screens, HDMI to DVI Cable and VGA to DVI Cable

UPC

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