

## HD81 Home Theater Projector

### Definitive Color...Incredible Resolution...Ultimate Performance

#### The Optoma HD81 Projector and Video Processor Combination Creates the Greatest 1080p Picture in the Market

The Optoma HD81 combines the finest 1080p DLP® home theater projector with a studio-quality imaging processor. Featuring Texas Instruments' DarkChip3™ technology, the HD81 offers a superb projection solution. The HD81's two-piece design delivers remarkable, personalized adjustment setting to achieve deeper blacks, higher precision and brilliant high-contrast images.



#### Features

- Advanced 1080p DarkChip3 DMD DLP technology
- Bright 1400 lumens and 10000:1 contrast ratio delivers subtle details and vibrant images
- 16-step auto and manual iris
- Extensive connectivity options through image processor includes: 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
- This 2-piece design simplifies installation
- IR remote control with discrete IR codes for source and format, selection perfect for home theater automation
- ISF<sub>ccc</sub> (Imaging Science Foundation's Certified Calibration Configuration) certified

#### Specifications

##### Brightness

1400 ANSI Lumens

##### Resolution

Native 1080p (1920 x 1080)

##### Contrast Ratio

10000:1

##### Image Processing

Motion Adaptive 480i, 576i, 720p 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 ISF<sub>ccc</sub> Color Settings

##### Lamp Life and Type

2000/3000 Hours (STD/ECO), 300W UHP

##### Display Type

Single 0.95" DarkChip3 LVDS DMD

##### Throw Ratio

1.85 – 2.22:1 (Distance/Width)

##### Projection Distance

4.92' to 32.8'

##### Image Size

30" to 300"

##### Aspect Ratio

Native 16:9

##### Keystone Correction

±5° Vertical

##### Displayable Colors

1.07 Billion Colors, 1024 Levels of Grayscale Adjustments

##### Uniformity

90%

##### Compatibility

SXGA, XGA, SVGA, VGA, NTSC, PAL, SECAM, VESA, Macintosh, PC, True HDTV (720p, 1080i/p) & 480i/p, 576i/p

##### Projection Lens

F/2.6-2.82; f=39.12-46.94mm, 1.2x Zoom

##### I/O Connection Ports

*Projector:*

RS-232, HDMI

*Video Processor:*

Three HDMI Plus One External HDMI Expansion, Two Component, Two BNC Component (YPbPr/RGBHV), 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 (4.2 kg)

##### Power Supply

AC input 90-264v , 50-60 Hz

##### Power Consumption

430W, < 12W Standby Mode

##### Storage Temperature

-7 – 140°F (-20 – 60°C), 80% Maximum Humidity

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

*Projector:*

16" x 4.6" x 12.2"  
(411 x 116 x 311mm)

*Video Processor:*

17" x 2.5" x 12"  
(406 x 139 x 304mm)

##### Noise Level

32dB

##### Warranty

3 Years Limited Parts and Labor, 90 Days on Lamp

##### 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 Card

##### Optional Accessories

Ceiling Mount, GrayWolfII™ Series Screens, Carry Case and Gold Service Warranty

##### UPC

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