

## 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
- ISFccc (Imaging Science Foundation's Certified Calibration Configuration) certified



### Specifications

<b>Brightness</b> 1400 ANSI Lumens	<b>Projection Distance</b> 4.92' to 32.8'	<b>Dimensions (W x H x D)</b> <i>Projector:</i> 16" x 4.6" x 12.2" (411 x 116 x 311mm) <i>Video Processor:</i> 17" x 2.5" x 12" (406 x 139 x 304mm)
<b>Resolution</b> Native 1080p (1920 x 1080)	<b>Image Size</b> 30" to 300"	<b>Noise Level</b> 32dB
<b>Contrast Ratio</b> 10000:1	<b>Aspect Ratio</b> Native 16:9	<b>Storage Temperature</b> -7 - 140°F (-20 - 60°C), 80% Maximum Humidity
<b>Image Processing</b> 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	<b>Keystone Correction</b> ±5° Vertical	<b>Power Supply</b> AC input 90-264V, 50-60 Hz
<b>Color Management</b> User Definable Gamma, RBGCMY 6-Color 16 Region Adjustment, Three User Definable Modes Plus ISFccc Color Settings	<b>Uniformity</b> 90%	<b>Power Consumption</b> 430W, < 12W (Standby)
<b>Lamp Life and Type</b> 2000/3000 Hours (STD/ECO), 300W UHP	<b>Compatibility</b> SXGA, XGA, SVGA, VGA, NTSC, PAL, SECAM, VESA, Macintosh, PC, True HDTV (720p, 1080i/p) & 480i/p	<b>Standard Accessories</b> 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
<b>Display Type</b> Single 0.95" DarkChip3 LVDS DMD	<b>Projection Lens</b> F/2.6-2.82; f=39.12-46.94mm, 1.2x Zoom	<b>Optional Accessories</b> Ceiling Mount, GrayWolfII™ Series Screens, Carry Case and Gold Service Warranty
<b>Throw Ratio</b> 1.85 - 2.22:1 (Distance/Width)	<b>I/O Connection Ports</b> <i>Projector:</i> RS-232, HDMI <i>Video Processor:</i> 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	<b>Warranty</b> 3 Years Limited Parts and Labor, 90 Days on Lamp
<b>Displayable Colors</b> 1.07 Billion Colors, 1024 Levels of Grayscale Adjustments	<b>Weight</b> <i>Projector:</i> 10 lbs (4.5kg) <i>Video Processor:</i> 9.2 lbs (4.2 kg)	<b>UPC</b> 796435 11 124 3

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