

**HD33** Full HD 3D Projector

**1080P High-Definition & 3D-Capable**

The Optoma HD33 redefines and takes the high-definition 3D home theater experience to a whole new level. With native 1080p resolution, the HD33 delivers impressive 2D and 3D images with great detail for superior image quality. With its sleek portable design, the Optoma HD33 is perfect for sharing big-screen movies, sporting events and games.



- ▶ Bright at 1800 ANSI lumens and contrast ratio of 10000:1
- ▶ 3D-capable for Blu-ray and gaming consoles
- ▶ Up to 300" screen size for large group viewing
- ▶ Backlit IR remote control
- ▶ Features Texas Instruments 1080p DLP® chipset
- ▶ PureMotion II



## Projection Distance

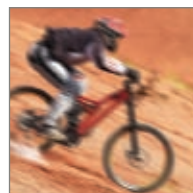
| Projection Distance (M) |     | 1.5   | 3     | 5      | 9      | 10     |
|-------------------------|-----|-------|-------|--------|--------|--------|
| Screen Size 16:9 (inch) | Max | 45.17 | 90.34 | 150.57 | 271.03 | 301.15 |
|                         | Min | 37.64 | 75.29 | 125.48 | 225.86 | 250.96 |

## PureMotion II

PureMotion technology ensures you see all the detail in fast moving sequences. Traditional projection systems often suffer from “motion blur” or “judder” in moving images. These issues are not just distracting they also lower the resolution of the image – PureMotion eliminates these issues and ensures all of the detail from any source, especially High Definition, is preserved leaving a crystal clear image with pure natural motion.



With



Without

## ANSI Contrast

ANSI Contrast† is a way of measuring the true “real world” contrast performance you can expect from a projector in your own home. This measurement technique includes a reproducible procedure that can be used to compare the performance of projectors using different display technologies. With an ANSI contrast ratio significantly higher than many LCD based projectors, the HD33 is the only choice for Home Cinema purists that expect ultimate image fidelity in their home.



High ANSI Contrast



Low ANSI Contrast



## 3D Technology

Using the inherent speed of DLP technology, The Optoma HD33 can output video and images through HDMI 1.4a, allowing you to show full screen, full color, stereoscopic 3D. The 3D effect is generated by splitting this signal into two standard video streams, one for each eye. Using DLP® Link™ technology, the 3D glasses synchronise with the image on screen to filter each stream to the correct eye. Your brain then combines the two streams to make them jump into life.

HD33 now supports HDMI 1.4a 3D playback, including 3D 1080P Blu-Ray, 3D gaming consoles like PS3, XBOX360 native 3D games, and 3D broadcasting signal, just connect Full HD 3D player directly to HD33 via HDMI, you can instantly become part of a fantastically immersive experience at home.

## Specification

|   |   |
|---|---|
| <b>Display Technology</b>               | 0.65"inch 1080p DMD from Texas Instruments.   |
| <b>Native Resolution</b>                | 1920 x 1080 (native on 1080i/p)   |
| <b>Brightness</b>                       | 1800 Lumen  |
| <b>Contrast Ratio</b>                   | 10,000 :1; ANSI Contrast 500 :1   |
| <b>Projection Lens</b>                  | f=22.41 – 26.82 mm, F/2.55~2.87; 1.2 X manual zoom / focus lens.  |
| <b>Projection Image Size / Distance</b> | 37.6~ 301" / 1.5m ~ 10m   |
| <b>Throw Ratio</b>                      | 1.5 ~ 1.8 :1  |
| <b>Keystone Correction</b>              | Vertical ±5°  |
| <b>Aspect Ratio</b>                     | 16:9, 4:3, LBX,Native   |
| <b>Video Compatibility</b>              | HDTV (480p, 576p, 720p, 1080i/p), 480i,576i,Full NTSC, NTSC4.43, PAL, PAL-M, PAL-N, SECAM, ,HDMI(480i/p,576i/p,720p,1080i/p).   |
| <b>Computer capability</b>              | up to UXGA(1600 X 1200)   |
| <b>3D Support Format</b>                | HDMI1.4a<br>1920x1080p @ 24Hz Frame packing<br>1920x1080p @ 24Hz Top-and-Bottom<br>1280x720p @ 50Hz / 60Hz Top-and-Bottom<br>1280x720p @ 50Hz /60hz Frame packing<br>1920x1080i @ 50Hz/60Hz Side-by-Side (Half)<br>HDMI 1.3<br>1920x1080i@50/60 Hz side by side / Top-and-Bottom<br>1280x 720@50/60Hz side by side/Top-and-Bottom |
| <b>Input / Output Connections</b>       | HDMI x 2 (support HDMI 1.4a 3D format)<br>VGA x 1<br>Component x 1<br>Composite Video x 1<br>RS-232 x 1<br>Mini USB for Service x 1<br>VESA 3D Port x 1<br>+12V Trigger x 1   |
| <b>Uniformity</b>                       | 90 %  |
| <b>Noise Level</b>                      | 25 dB   |
| <b>Lamp Type</b>                        | 230-watt User Replaceable lamp  |
| <b>Lamp Life</b>                        | 4000/2500 hours in STD/BRIGHT mode  |
| <b>Power Supply</b>                     | Universal AC 100 - 240 volts, 50/ 60Hz  |
| <b>Dimensions</b>                       | 38.9 x 31.9 x 12.9 cm   |
| <b>Weight</b>                           | 4.5kg   |

\* Optoma reserves the right to change this brochure without prior notice, please refer to [www.optoma.com](http://www.optoma.com) for any change



†Optoma guarantees that in normal use,Optoma DLP® color quality will be indistinguishable from when new. Please note that worn lamps will give slight variance. Exclusions: (1) Guarantee is voided if the projector is subject to damage through mis-use. (2) Guarantee may be void in industrial or commercial entertainment environments where dust or smoke is particularly excessive (3) Guarantee will not apply if lamp brightness is below 50% due to wear or if the projector is not working due to other fault. Typical lamp life achieved through testing. Will vary according to operational use and environment conditions. Optoma guarantees that in normal use, the DLP® imager guarantee will retain quality for at least 5 years providing consistent pixel performance. Exclusions: (1) Guarantee is voided if the projector is subject to damage through mis-use. (2) Guarantee may be void in industrial or commercial entertainment environments where dust or smoke is particularly excessive. Copyright © 2011, Optoma Corporation. All other product names and company names used herein are for identifications purposes only and may be trademarks or registered trademarks of their respective owners. Errors and omissions excepted, all specifications are subject to change without notice. DLP®, BrilliantColor™ and the DLP logo are registered trademarks of Texas Instruments.