

HD27

Big Screen Entertainment

- Lights on viewing – 3200 ANSI Lumens
- Easy connectivity - 2x HDMI and MHL support and built-in 10W speaker
- Amazing colour - accurate Rec.709 colours
- Lightweight and portable



HD27

Convenient and easy to setup the bright and versatile HD27 boasts Amazing colour technology and conforms to Rec.709 delivering accurate true to life colour reproduction. This small projector is ideal for watching live sport, TV shows or movies any time of day on a big screen. You can even connect your games console and play games on it with its low input latency.

An integrated speaker provides you with great sound and two HDMI inputs enables an easy setup. Perfect for connecting a laptop, PC, Blu-ray player, media streamer or games console. You can even turn it into a smart projector by connecting a HDMI dongle like the HDCast Pro (sold separately), Google Chromecast™, Amazon Fire TV or Apple TV™ to play games, stream videos and share photos on the big screen in the comfort of your own home.

Weighing less than 2.5kg you can take it round to a friend's house with the optional carry bag for a sports event, movie night or games marathon for the best big screen experience anywhere with a flat surface.

Full HD 1080p

1080p resolution gives you sharp and detailed images from HD content without downscaling or compression; perfect for watching Blu-ray movies, HD broadcasting and playing video games.



Quick resume

This feature allows the projector to be instantly powered on again, if it is accidentally switched off.

Auto power off

There may be instances when the projector is left running when not in use. To help save energy, the "Auto Power Off" feature automatically turns off the projector after a set period of time if it is not being used

Smart projector

Turn your projector into a smart display by connecting the HDCast Pro (sold separately) and stream videos, music and share photos on the big screen using your smartphone or tablet.

MHL

Turn your projector into a smart display by connecting your smartphone or tablet with a single cable using MHL; now you can view presentations and documents, stream videos and share photos on the big screen. You can even use MHL to connect and power the HDCast Pro (sold separately).



USB power

Use the USB-Power to power an HDMI dongle, such as Google Chromecast.

Dynamic Black technology

This feature gives more depth to your image by smoothly adjusting the lamp output, based on the brightness information of each frame; to create a stunning high contrast ratio. Bright scenes appear crisp and clear, while dark scenes remain detailed with deep blacks and exceptional light and shade detail.



Integrated speaker

Complete your home entertainment experience with the convenience of a powerful built-in speaker. Built-in speakers provide exceptional sound quality and are easy to set up without the need for costly external speakers.

Long lamp life

The expected lifetime of a typical Optoma projector lamp is an impressive 6500 hours; so if you watch a two hour movie every day,

the lamp should last for almost 9 years.

Full 3D

Optoma projectors can display true 3D content from almost any 3D source, including 3D Blu-ray players, 3D broadcasting and the latest generation games consoles. Support for 144Hz rapid refresh rate provides ultra-smooth flicker free images.



ISF modes

This feature allows you to save your calibrated day and night mode settings for the highest possible viewing experience.

Wireless

Stream Full 1080p 3D content to your projector wirelessly; eliminating the hassle and extra cost of installing long cables, the WHD200 (sold separately) allows you to connect a Blu-ray™ player, set-top box, gaming console or AV receiver instantly.

Gaming mode

Gaming mode optimises your projector for lightning response times, maximum contrast and vivid colours to capture every detail - leaving you time to focus on winning.



24p

Most movies are shot at 24 frames per second (fps). To preserve the purity of the original image, Optoma projectors can accept high definition sources at 24 fps to display movies exactly as the director intended.

Amazing colours

Watch your movies, TV shows and play games with stunning colours in any environment. Optoma projectors provides you with reliable performance suitable for any content and environment. Our home projectors are capable of reproducing the Rec.709 colour gamut, the international HDTV standard to guarantee accurate reproduction of cinematic colour exactly as the director intended. Or more saturated colours for a punchy looking image, great for gaming and animated movies.

[Learn more about Optoma's Amazing Colour](#)



HD27 Specification

| | |
|---|--|
| Display Technology | Single 0.65" 1080p DC2 DMD chip DLP® Technology by Texas Instruments |
| Native Resolution | 1080p 1920 x 1080 |
| Brightness ¹ (Bright Mode) | 3200 ANSI Lumens |
| Contrast | 25,000:1 |
| Lamp Life ² Dynamic/Eco/Bright | 8000/6000/5000 (hrs) |
| Throw Ratio | 1.48 - 1.62:1 |
| Zoom Type | 1.1x Manual |
| I/O Connectors | 2x HDMI (1.4a 3D support) + MHL v2.1, Audio Out 3.5mm, 12V trigger, 3D-Sync, USB-A Power (1A) |
| Speaker (Watts) | 10 |
| Keystone Correction | ± 40° Vertical |
| Weight (kg) | 2.38 |
| Dimensions (W x D x H) (mm) | 298 x 230 x 96.5 |
| Aspect Ratio | 16:9 Native, 4:3 Compatible |
| Offset | 116% |
| Projection Screen Size | 0.71 - 7.75m (27.88" - 305.3") Diagonal 16:9 |
| Projection Distance | 1 - 10m |
| Projection Lens | F/2.5~2.67; f=21.86~24mm |
| Uniformity | 80% |
| Maximum Resolution | Full HD 1920 x 1080 |
| Computer Compatibility | FHD, HD, WXGA, UXGA, SXGA, XGA, SVGA, VGA, Mac |
| Video Compatibility | PAL (B, D, G, H, I, M, N, 576i/p), NTSC (M, 4.43/3.58 MHz, 480i/p), SECAM (B, D, G, K, K1, L) HD (1080i, 720p) |
| 3D Support | Full 3D - The 3D features of Optoma projectors can only be used with compatible 3D content. Typical applications include use with 3D educational or 3D design and modelling systems. 3D TV broadcast systems, (SKY in the UK), Blu-ray 3D™ and 3D games from the Sony® PS3 or Microsoft® Xbox 360 are now supported as part of the HDMI v1.4a specification. |
| 3D Compatibility | Side-by-Side: 1080i50 / 60, 720p50 / 60 Frame-pack: 1080p24, 720p50 / 60 Over-Under: 1080p24, 720p50 / 60 |
| Horizontal Scan Rate | 15 - 91kHz |
| Vertical Scan Rate | 25 - 85Hz (120Hz for 3D) |
| Displayable Colours | 1073.4 Million |
| Noise Level (Eco mode) | 26dB |
| Power Supply | 100-240V, 50-60Hz |
| Power Consumption | 230W Bright mode / 192W Eco mode (< 0.5W Standby) |
| Lamp Type | 195W |
| Operating Conditions | 5°C - 40°C, Max. Humidity 85%, Max. Altitude 3000m |
| Security | Security bar, Kensington lock, password protection |
| On Screen Display | 26 Languages: English, German, French, Italian, Spanish, Portuguese, Swedish, Dutch, Norwegian/Danish, Polish, Russian, Finnish, Greek, Hungarian, Czech, Arabic, Traditional Chinese, Simplified Chinese, Japanese, Korean, Thai, Turkish, Farsi, Vietnamese, Romanian, Indonesian |
| Standard Accessories | AC power cord, remote control, 2x AA batteries, quick start card, CD user manual |
| Optional Accessories | 3D glasses, wireless, ceiling mount |
| Optional Wireless | Yes |
| RoHS | Compliant |



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¹Lamp based projectors brightness and lifetime will vary depending on selected projector mode, environmental conditions and usage. As is common with all lamp based projectors, brightness will decrease over the lamp lifetime. LED projectors do not have a replaceable lamp and the brightness does not decay significantly over the product lifetime.

²Typical lamp life achieved through testing. Will vary according to operational use and environmental conditions

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