

# 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 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 movies, viewing photos and documents.



### 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 if the projector is left running and no source is detected, the "Auto power off" feature automatically turns off the projector after a set period of time.

### Smart projector

Turn your projector into a smart display by connecting the HDCast Pro (sold separately) or Apple TV™ to 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, enabling you to view presentations and documents, stream videos and share photos on the big screen.



### USB power

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

### Dynamic black technology

Dynamic black 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.

### 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.



## 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 Colour

Give powerful presentations and educational lessons with stunning colours. Optoma projectors provide you with reliable colour performance suitable for any content and environment. From accurate sRGB colours for true life like images to vibrant punchy presentations. We have a display mode to specific meet your needs.



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

## Specification

Display Technology	Single 0.65" 1080p DC3 DMD chip DLP® Technology by Texas Instruments
Resolution	1080p 1920 x 1080
Brightness <sup>1</sup> (Bright Mode)	3200 ANSI Lumens
Contrast	25,000:1
Typical lamp life <sup>2</sup> 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)	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
Input Lag (ms)	33
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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<sup>1</sup>Brightness and lifetime dependent on settings and environmental conditions

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

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