

## DH1020

Bright, Full HD 1080p and portable

- Bright 1080p projector – 3400 ANSI Lumens
- Easy connectivity - HDMI, VGA, 2W speaker
- Low ownership costs - up to 10,000 hours<sup>2</sup> lamp life
- Lightweight and portable



# DH1020

Project bright presentations in Full HD 1080p effortlessly any time of day. Designed for meeting rooms and classrooms, the DH1020 boasts high brightness, long lamp life and energy-saving features to provide you with a low overall cost of ownership.

This projector is easy to connect to with multiple inputs and a built-in speaker. Perfect for connecting a laptop, PC or Blu-ray player for clear projected images with sound. Portable and lightweight projector can be installed or taken on the move for off-site meetings with the optional carry bag (sold separately).

## 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.

## High contrast

Add more depth to your image with a high contrast projector; with brighter whites and ultra-rich blacks, images come alive and text appears crisp and clear - ideal for business and education applications.

## 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.

## Integrated speaker

The built-in speaker offers excellent audio support. Easy to set up without the need for costly external speakers

## Energy saving

Using the specially designed lamp modes, you can reduce the power consumption by up to 70%. Each mode also has a positive effect on the lamp life, while lowering the total cost of ownership and reducing maintenance.

## 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

## Eco+



**Eco+ technology brings together high contrast, improved lamp life and energy saving features that are easy to use while reducing power consumption.**

## Eco AV mute

Stay in control of your presentation with Eco AV mute. Direct your audience's attention away from the screen by blanking the image when no longer needed. This also reduces the power consumption by up to 70%, further prolonging the life of your lamp.

## Colour guarantee

Enjoy dazzling colours for years to come; guaranteed by Optoma for five years' consistent performance.



## Amazing colours

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. Perfect for a range of graphic and video presentations.



without



with

## 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.

## Long lamp life

Reduce the number of lamp changes with lamp life of up to 6500 hours.

## Direct power off

You can power off your projector immediately or directly at the mains. Should you require to turn your projector back on immediately it will take about 90 seconds to start up.

## 24/7 operation

Optoma projectors have been designed to operate 24 hours a day in standard orientation. Perfect for applications where prolonged periods of use is required. Subject to 24 hour terms and conditions.

24/7 Operation - Standard lamp warranty applies. Projector warranty is based on standard business usage hours. For optimum performance Optoma recommends that your projector is turned off or placed in standby mode for 30 minutes every 24 hours to prolonging the life of your lamp.

## DH1020 Specification

Display Technology	Single 0.65" 1080p DC2 DMD chip DLP® Technology by Texas Instruments
Native Resolution	1080p 1920 x 1080
Brightness <sup>1</sup> (Bright Mode)	3400 ANSI Lumens
Contrast	22,000:1
Lampenlebensdauer <sup>2</sup> Eco+/Dynamic/Eco/Bright/Education cycle	8000/7000/6000/5000/10000 (hrs)
Throw Ratio	1.48 - 1.62:1
Zoom Type	1.1x Manual
I/O Connectors	HDMI (1.4a 3D support), VGA (YPbPr/RGB), Composite, Audio In 3.5mm, Audio Out 3.5mm, RS232, USB service
Speaker (Watts)	2
Keystone Correction	± 40° Vertical
Weight (kg)	2.17
Dimensions (W x D x H) (mm)	298 x 230 x 96.5
Aspect Ratio	16:9 Native, 4:3 Compatible
Offset	115%
Projection Screen Size	0.71 - 7.75m (27.88" - 305.3") Diagonal 16:9
Projection Distance	1.2 - 12m
Projection Lens	F/2.5~2.6; f=21.86~24mm
Uniformity	70%
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)	28dB
Power Supply	100-240V, 50-60Hz
Power Consumption	225W Bright mode / 187W 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, VGA cable, remote control, battery, quick start card, CD user manual
Optional Accessories	DLP® Link™ 3D glasses, wireless, ceiling mount
Optional Wireless	Ja
RoHS	Compliant