EH400

Bright, Full HD 1080p and portable

- Bright 1080p projector – 4000 ANSI Lumens

- Easy connectivity - HDMI, VGA, 2W speaker

- Low ownership costs - up to 10,000 hours² lamp life

- Lightweight and portable

DLP
PICTURE BY
TEXAS INSTRUMENTS

HDMI™
HIGH DEFINITION MULTIMEDIA INTERFACE

MHL
Mobile High-Definition Link

Full HD
1080p

Full 3D

Eco⁺

Amazing
Colour

5 YEARS

EH400

Transform the delivery of your presentation with the first ever 4,000 lumen, 1080p, lightweight EH400 projector. This model is designed to be used at any time of day and for multiple purposes, including professional use - from business meetings to classrooms. It offers top quality projected colours, long lamp life with a low overall cost of ownership.

This full HD product boasts simplicity in design, with easy navigation and reliability. Convenient, with multiple inputs including HDMI and MHL, this projector is ideal for connecting HDMI dongles such as the Google Chromecast and the Optoma HDCast Pro enabling you to connect your laptop, PC or Blu-ray player. This compact model can either be installed or conveniently taken on the move.

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.

Integrated speaker

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

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).

Eco+

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

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

Long lamp life

Reduce the number of lamp changes with lamp life of up to 10,000 hours² using the Education Cycle.

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.

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.

USB power

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

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.

Direct power off

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

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)	4000 ANSI Lumens
Contrast	22,000:1
Lamp Life[2] Eco+/Dynamic/Eco/Bright/Education cycle	7000/6500/6000/5000/10000 (hrs)
Throw Ratio	1.47 - 1.63:1
Zoom Type	1.1x Manual
I/O Connectors	2x HDMI (1.4a 3D support) + MHL, VGA (YPbPr/RGB), Composite, Audio In 3.5mm, VGA out, Audio Out 3.5mm, RS232, USB-A Power (5V-1A)
Speaker	2
Keystone Correction	± 40° Vertical
Weight (kg)	2.41
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	266W Bright mode / 204W Eco mode (< 0.5W Standby)
Lamp Type	220W
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, battery, quick start card, CD user manual
Optional Accessories	DLP® Link™ 3D glasses, wireless, ceiling mount
Optional Wireless	Yes
RoHS	Compliant

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[1]Brightness and lifetime dependent on settings and environmental conditions

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

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