Optoma

S312

Bright and Portable

- Bright projection – 3200 ANSI lumens
- SVGA resolution, 20,000:1 contrast ratio, HDMI input
- Low ownership costs - up to 10,000 hours[2] lamp life
- Lightweight and portable

DLP TEXAS INSTRUMENTS   HDMI HIGH DEFINITION MULTIMEDIA INTERFACE   AMX   Full 3D   Eco+   5 YEARS   Amazing Colour   Project Green

HDCast PRO

S312

Project bright vibrant presentations effortlessly any time of day. Designed for meeting rooms and classrooms, the S312 boasts a long lamp life and energy-saving features which provide a low overall cost of ownership.

This projector has a built-in speaker, Full 3D technology and can be easily connected via a HDMI cable, giving a clear projected image with sound. Portable and lightweight projector can be installed or taken on the move for off-site meetings.

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.

2000:1 Contrast Ratio   20,000:1 Contrast Ratio

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

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.

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.

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.

Eco AV mute off   **Eco AV mute on**
100% power consumption   **25% power consumption**

Long lamp life

Reduce the number of lamp changes with lamp life of up to 10,000 hours[2] using the Education Cycle.

Control

Featuring a wide range of options you can control and monitor the projector remotely.

- RS232
- Optoma projector's come with an extensive set of RS232 commands making it simple and easy to manage using any control system.
- AMX Compatibility
- Dynamic discovery protocol is incorporated into the projector allowing for easy installation with AMX control systems.

Colour Guarantee

We are so confident that the image colour quality will remain as good as the day you bought it that Optoma will guarantee it for five years.
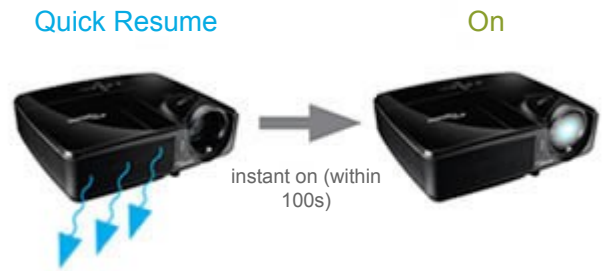
Amazing Colour

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.

without   with

Quick resume

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

Quick Resume   On

instant on (within 100s)

Wireless presenting (optional extra)

Making presentations couldn't be easier using the optional wireless features of the WPS Wireless Adapter (sold separately) - you can connect and display presentations wirelessly from a laptop, PC or mobile device.

USB power

Use the USB-Power to power an HDMI dongle, such as Google Chromecast or the Optoma WHD200 wireless HDMI device.

S312 Specification

Display Technology	Single 0.55" SVGA DC3 DMD chip DLP® Technology by Texas Instruments
Native Resolution	SVGA 800 x 600
Brightness[1] (Bright Mode)	3200 ANSI Lumens
Contrast	20,000:1
Lamp Life[2] Eco+/Dynamic/Eco/Bright/Education cycle	7000/6500/6000/5000/10000 (hrs)
Throw Ratio	1.95 - 2.15:1
Zoom Type	1.1x Manual
I/O Connectors	HDMI (1.4a 3D support), VGA (YPbPr/RGB), S-Video, Composite, Audio In 3.5mm, RS232, USB Service, USB-A Power (5V-1A)
Speaker	2
Keystone Correction	± 40° Vertical
Weight (kg)	2.35
Dimensions (W x D x H) (mm)	315 x 224 x 102
Aspect Ratio	4:3 Native, 16:9 Compatible
Offset	115%
Projection Screen Size	0.58 - 7.62m (22.9" - 300") Diagonal 4:3
Projection Distance	1 - 12m
Projection Lens	F/2.41~2.55; f=21.8~23.98mm, 1.1x Manual Zoom
Uniformity	80%
Computer Compatibility	UXGA, SXGA, XGA, SVGA, VGA, Mac
Video Compatibility	PAL (B, D, G, H, I, M, N, 4.43MHz), NTSC (M, J, 3.58MHz, 4.443MHz), SECAM (B, D, G, K, K1, L, 4.25,MHz, 4.4MHz, 480i/p, 576i/p, 720p(50/60Hz), 1080i(50/60Hz) 1080p(24/50/60Hz)
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	15.3 - 91.1kHz
Vertical Scan Rate	24 - 85Hz
Displayable Colours	1073.4 Million
Noise Level (Eco mode)	29dB
Power Supply	100-240V, 50-60Hz
Power Consumption	225W Bright mode / 191W Eco mode (< 0.5W Standby)
Lamp Type	190W
Operating Conditions	5°C - 40°C, Max. Humidity 85%, Max. Altitude 3000m
Security	Security bar, Kensington lock, password protection
On Screen Display	19 Languages: English, German, French, Italian, Spanish, Portuguese, Polish, Dutch, Russian, Finnish, Swedish, Greek, Norwegian/Danish, Hungarian, Czech, Turkish, Romanian, Farsi and Arabic.
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	Yes
RoHS	Compliant

Optoma Europe Ltd.

42 Caxton Way, Watford Business Park, Watford, Hertfordshire, UK. WD18 8QZ

www.optoma.co.uk

[1]Lamp 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.

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

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