

## 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<sup>2</sup> lamp life
- Lightweight and portable



# S312

Project bright vibrant presentations effortlessly any time on 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, the "Auto Power Off" feature automatically turns off the projector after a set period of time if it is not being used

## 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**  
100% power consumption

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

## Long lamp life

Reduce the number of lamp changes with lamp life of up to 10,000 hours<sup>2</sup> 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

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



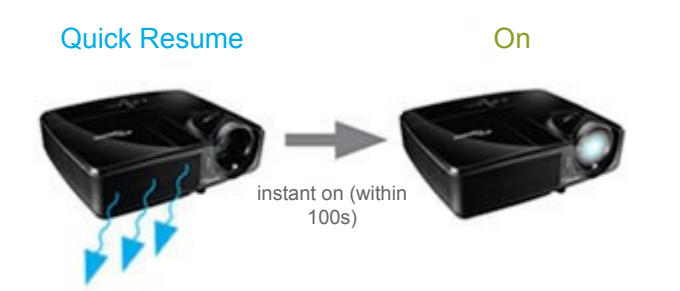
## Amazing colours

For vibrant, natural looking images, Optoma projectors incorporate BrilliantColor™ multi-colour processing technology.



## Quick resume

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



## 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 Technologie                                            | Single 0.55" SVGA DC3 DMD chip DLP® Technology by Texas Instruments                                                                                                                                                                                                                                                                                          |
| Auflösung                                                      | SVGA 800 x 600                                                                                                                                                                                                                                                                                                                                               |
| Helligkeit <sup>1</sup> (Bright Mode)                          | 3200 ANSI Lumens                                                                                                                                                                                                                                                                                                                                             |
| Kontrastverhältnis                                             | 20,000:1                                                                                                                                                                                                                                                                                                                                                     |
| Betriebsgeräusch (Eco Modus)                                   | 29dB                                                                                                                                                                                                                                                                                                                                                         |
| Gewicht (kg)                                                   | 2.35                                                                                                                                                                                                                                                                                                                                                         |
| I/O Anschluß                                                   | HDMI (1.4a 3D support), VGA (YPbPr/RGB), S-Video, Composite, Audio In 3.5mm, RS232, USB Service, USB-A Power (5V-1A)                                                                                                                                                                                                                                         |
| Computer Kompatibilität                                        | UXGA, SXGA, XGA, SVGA, VGA, Mac                                                                                                                                                                                                                                                                                                                              |
| Videokompatibilität                                            | 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)                                                                                                                                                                              |
| darstellbare Farben                                            | 1073.4 Million                                                                                                                                                                                                                                                                                                                                               |
| Projektions Linse                                              | F/2.41~2.55; f=21.8~23.98mm, 1.1x Manual Zoom                                                                                                                                                                                                                                                                                                                |
| Projektionsverhältnis                                          | 1.95 - 2.15:1                                                                                                                                                                                                                                                                                                                                                |
| Projektionsbildgröße                                           | 0.58 - 7.62m (22.9" - 300") Diagonal 4:3                                                                                                                                                                                                                                                                                                                     |
| Projektionsabstand                                             | 1 - 12m                                                                                                                                                                                                                                                                                                                                                      |
| Zoom                                                           | 1.1x Manual                                                                                                                                                                                                                                                                                                                                                  |
| Bildseitenformat                                               | 4:3 Native, 16:9 Compatible                                                                                                                                                                                                                                                                                                                                  |
| Offset                                                         | 115%                                                                                                                                                                                                                                                                                                                                                         |
| Horizontale Frequenz                                           | 15.3 - 91.1kHz                                                                                                                                                                                                                                                                                                                                               |
| Vertikale Frequenz                                             | 24 - 85Hz                                                                                                                                                                                                                                                                                                                                                    |
| Lampentyp                                                      | 190W                                                                                                                                                                                                                                                                                                                                                         |
| Lamp Life <sup>2</sup> Eco+/Dynamic/Eco/Bright/Education cycle | 7000/6500/6000/5000/10000 (hrs)                                                                                                                                                                                                                                                                                                                              |
| Keystone Korrektur                                             | ± 40° Vertical                                                                                                                                                                                                                                                                                                                                               |
| Maße (W x D x H) (mm)                                          | 315 x 224 x 102                                                                                                                                                                                                                                                                                                                                              |
| Netzanschluss                                                  | 100-240V, 50-60Hz                                                                                                                                                                                                                                                                                                                                            |
| Stromverbrauch                                                 | 225W Bright mode / 191W Eco mode (< 0.5W Standby)                                                                                                                                                                                                                                                                                                            |
| Betriebsbedingungen                                            | 5°C - 40°C, Max. Humidity 85%, Max. Altitude 3000m                                                                                                                                                                                                                                                                                                           |
| Uniformität                                                    | 80%                                                                                                                                                                                                                                                                                                                                                          |
| Sicherheit                                                     | Security bar, Kensington lock, password protection                                                                                                                                                                                                                                                                                                           |
| Standard Zubehör                                               | AC power cord, VGA cable, remote control, battery, quick start card, CD user manual                                                                                                                                                                                                                                                                          |
| optionales Zubehör                                             | DLP® Link™ 3D glasses, wireless, ceiling mount                                                                                                                                                                                                                                                                                                               |
| RoHS                                                           | Compliant                                                                                                                                                                                                                                                                                                                                                    |
| 3D Unterstützung                                               | 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 Kompatibilität                                              | Side-by-Side:1080i50 / 60, 720p50 / 60<br>Frame-pack: 1080p24, 720p50 / 60<br>Over-Under: 1080p24, 720p50 / 60                                                                                                                                                                                                                                               |
| Lautsprecher (Watt)                                            | 2                                                                                                                                                                                                                                                                                                                                                            |
| 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.                                                                                                                                                               |
| Optionales Wireless                                            | Yes                                                                                                                                                                                                                                                                                                                                                          |



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<sup>1</sup>Helligkeit und Lampenlebensdauer von lampenbasierten Projektoren nehmen im Lauf der Zeit ab und variieren je nach Projektor Modus, Betriebsbedingungen und Nutzung. Wie bei allen lampenbasierten Projektoren nimmt die Helligkeit im Laufe der Lebensdauer ab. Bei Projektoren mit LED Leuchtmittel ist kein Lampenwechsel nötig und die Helligkeit bleibt über die gesamte Lebensdauer konstant.

<sup>2</sup>in Tests üblicherweise erreichte Lebensdauer, welche je nach Umgebungsbedingungen und Nutzung variieren kann.

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