

X312

Bright and Portable

- Bright projection – 3200 ANSI lumens
- XGA resolution, 20,000:1 contrast ratio, HDMI input
- Low ownership costs - up to 5,000 hours² lamp life
- Lightweight and portable, carry case included



X312

Project bright vibrant presentations effortlessly any time on day. Designed for meeting rooms and classrooms, the X312 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. The lightweight projector can be installed or taken on the move in the handy carry bag 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 hours² 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.

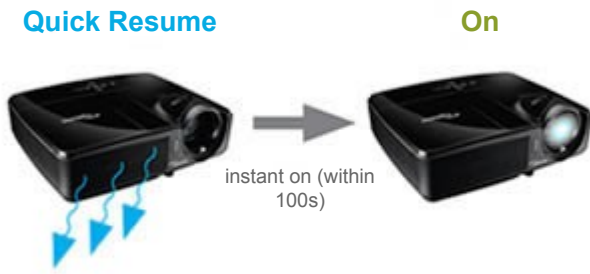
Amazing Colors

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



Quick Resume

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



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.

X312 Specification

Display Technology	Single 0.55" XGA DC3 DMD chip DLP® Technology by Texas Instruments
Native Resolution	XGA 1024 x 768
Brightness	3200 ANSI Lumens
Contrast Ratio	20,000:1
Noise Level (Eco mode)	29dB
Weight	2.36
I/O Connectors	HDMI, VGA-in, S-video, Composite video, Audio-in, Audio-out, RS-232C, USB mini-B
Computer Compatibility	WUXGA, UXGA, WXGA, SXGA+, SXGA, XGA, SVGA
Video Compatibility	NTSC, PAL, SECAM, SDTV (480i), EDTV (480p), HDTV (720p, 1080i/p)
Displayable Colors	1.07 Billion
Projection Lens	F/2.41~2.53; f=21.8~24mm, 1.1x Manual Zoom and Focus
Throw Ratio	1.95 - 2.15:1
Projection Screen Size	27.5" - 302.8" (0.69 - 7.69 m)
Projection Distance	3.9' - 39.4' (1.2 - 12 m)
Zoom Type	1.1x Manual
Aspect Ratio	4:3 Native, 16:9 Compatible
Offset	115%
Horizontal Scan Rate	15.375 - 91.146kHz
Vertical Scan Rate	24 - 85Hz, 120 Hz
Lamp Type	190W
Lamp Life ² Bright	5000 (hrs)
Keystone Correction	± 40° Vertical
Dimensions (W x H x D)	12.4" x 4.0" x 8.8" (315 x 102 x 224 mm)
Power Supply	AC Input 100-240V, 50 - 60Hz, auto-switching
Power Consumption	Max 233 (Normal), Min 196' (Eco+), <0.5W (standby-ECO)
Operating Conditions	41 - 104°F (5 - 40°C), 85% max humidity
Uniformity	>85%
Security	Kensington® Lock Port, security bar and keypad lock
Standard Accessories	X312 projector, AC power cord, VGA to VGA cable, remote control, carrying case, batteries for remote, multilingual CD-ROM user's manual, quick start card, and warranty card
Optional Accessories	Universal ceiling mount, Optoma screen, DLP®Link™ 3D glasses, wireless HDMI system and Cat6 HDBaseT
RoHS	Compliant
3D Compatibility	Supports all HDMI 1.4a mandatory 3D formats (Frame pack, side-by-side, top-bottom) and up converts frame rate from 60Hz to 120Hz or 24Hz to 144Hz (i.e 60 or 72 frames per eye). 3D glasses are needed and are sold separately. Refer to user manual for details.
Speaker (Watts)	2-Watt speaker
On Screen Display	Complete on-screen menu adjustment in 26 languages
Optional Wireless	Yes



Optoma USA

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¹Lamp 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.

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

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