W416

HD ready, compact and powerful

- Bright WXGA projector – 4500 ANSI Lumens

- Installation flexibility – Vertical lens shift and 1.6x zoom

- Ultimate Control - Full support for Crestron, Extron, AMX, PJ-Link and Telnet LAN commands

- Easy connectivity - HDMI, MHL, VGA, 10W speaker

DLP PICTURE BY TEXAS INSTRUMENTS   HDMI™ HIGH DEFINITION MULTIMEDIA INTERFACE   MHL. Mobile High-Definition Link   CRESTRON RoomView connected

PJLink™   AMX   HD Ready   Full 3D   Eco⁺   Amazing Colour   5 YEARS

W416

Make your presentations count regardless of the ambient light level using the bright HD ready W416. Designed for businesses and professional installation environments this compact and powerful projector can be installed or taken on the move.

Easy to connect to with multiple inputs including two HDMI, MHL, VGA and a built in 10W speaker. You can even present wirelessly using the HDCast Pro (sold separately) or use the USB Power to connect and power HDMI dongles such as the Google Chromecast.

For more complex installations, this projector is equipped with a large 1.6x zoom range, vertical lens shift and networking features for remote monitoring and control.d control.

Large zoom range

A large zoom range enables multiple placement possibilities at a variety of distances from the projection screen. An advantage to this is that expensive interchangeable lens projectors can be substituted with a more cost effective solution whilst still retaining a diverse choice of positioning options.

MHL

Turn your projector into a smart display by connecting your smartphone or tablet with a single cable using MHL, enabling you to view presentations and documents, stream videos and share photos on the big screen.

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.

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.

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.

Long lamp life

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

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.

Vertical lens shift

Simplify installation with vertical lens shift, which provides a wider range of projector placement possibilities. This makes it easier to position the projector in your room and enables a wider range of screen size options.

USB power

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

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.

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.

Remote mouse and laser

Keep your audience's attention focussed on the right things using the simple, yet powerful remote with USB mouse control and built in laser pointer

Networking and control

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

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.

LAN Control

Using the compatible RoomView® software you can power on/off, monitor, manage and control up to 250 projectors at the same time from any computer.

- Schedule the projectors to power on/off.
- Control and alter the projector settings using the simple web browser.
- Emergency text broadcast capabilities for urgent or important announcements.
- Automatically receive email updates for lamp maintenance.

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

Specification

Display Technology	Single 0.65" DarkChip 3 WXGA DLP® Technology by Texas Instruments
Native Resolution	WXGA 1280 x 800
Brightness[1] (Bright Mode)	4500 ANSI Lumens
Contrast	20,000:1
Lamp Life[2] Eco+/Dynamic/Eco/Bright	7000/6000/5000/3000 (hrs)
Throw Ratio	1.47 - 2.35:1
Zoom Type	1.6x Manual
Lens Shift	+16.2% Vertical
I/O Connectors	2 x HDMI (1.4a 3D support) + MHL v2.2, VGA (YPbPr/RGB), Composite, 2 x Audio in 3.5mm, VGA out, Audio out 3.5mm, RS232, RJ45, USB-A Power, USB mouse/service
Speaker (Watts)	10
Keystone Correction	± 40° Vertical
Weight (kg)	2.99
Dimensions (W x D x H) (mm)	286 x 224 x 114
Aspect Ratio	16:10 Native, 16:9/4:3 Compatible
Offset	96.2% ~ 112.4%
Projection Screen Size	0.65m – 7.7m (25.66" ~ 303.2") Diagonal 16:10
Projection Distance	1.3 - 9.6m
Projection Lens	F/2.5~3.26; f=20.91~32.62mm
Uniformity	75%
Computer Compatibility	UXGA, SXGA, WXGA, HD, XGA, SVGA, VGA, Mac
Video Compatibility	PAL SECAM 576i/p, NTSC 480i/p, HD 720p/1080i/1080p
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	24 - 120Hz
Displayable Colours	1.07 Billion
Noise Level (Eco mode)	32dB
Power Supply	100-240V, 50-60Hz
Power Consumption	309W Bright mode / 249W Eco mode (<0.5W Standby)
Lamp Type	260W
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, Arabic, Turkish, Farsi, Romanian
Standard Accessories	AC power cord, remote control, 2x AAA batteries, quick start card, CD user manual
Optional Accessories	DLP® Link™ 3D glasses, wireless, ceiling mount
Optional Wireless	Yes
RoHS	Compliant
Colour Guarantee	5 Years

Optoma

[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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