

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





























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

Native Resolution WXCA 1280 x 800 Bightness* (Bright Mode) 4500 ANSI Lumens Contrast 20,000-1 Lamp Life* Eco+Dynamic/Eco/Bright 7000/B00005000/3000 (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 v.2.2, VGA (YPB-P/R/GB), Composite, 2 x Audio in 3.5mm, VGA out, Audio out 3.5mm, RS232, R.48, US&A Power, USB mouse/service Speaker (Watts) 10 Keystone Correction 4 40° Vertical Weight (kg) 2.99 Dimensions (W x D x H) (mm) 2.88 x 224 x 114 Aspect Ratio 16:10 Native, 18:94/3 Compatible Offset 96.2% - 112.4% Projection Screen Size 0.65m - 7.7m (25:66° - 303.2°) Diagonal 16:10 Projection Screen Size 0.65m - 7.7m (25:66° - 303.2°) Diagonal 16:00 Projection Lens F.2.5-3.26, f-20.91-32.62mm Uniformity UXGA, SXGA, WXGA, HD, XGA, SVGA, VGA, Mac Computer Compatibility UXGA, SXGA, WXGA, HD, XGA, SVGA, VGA, Mac Value Compatibility PAL SECAM 576ip, NTSC 480ip, HD 720p/1680i/1080p 3D Comp	Display Technology	Single 0.65" DarkChip 3 WXGA DLP® Technology by Texas Instruments
Contribus	Native Resolution	WXGA 1280 x 800
Lamp Life² 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 2x 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 Fiz/5 - 3.26; (=20.91 – 32.62mm Uniformity 75% Computer Compatibility U.XGA, SXGA, WXGA, HD, XGA, SVGA, VGA, Mac Video Compatibility U.XGA, SXGA, WXGA, HD, XGA, SVGA, VGA, Mac Video Compatibility PAL, SECAM SFGIN, PM 27 2000/1080/1080p 3D Support Full 30 - The 30 features of Optoma projectors can only be used with compatible 30 content. Typical applications include use with 30 educations systems (SKY in the UK), Bibi-ray 30 TM and 30 games	Brightness ¹ (Bright Mode)	4500 ANSI Lumens
Throw Ratio 1.47 - 2.35-1 Zoom Type 1.6k Manual Lens Shift +16.2% Vertical Loom Type 1.8k Manual Lens Shift +16.2% Vertical LiO 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, R145, USBA Power, USB mouse/service Speaker (Watts) 10 Weight (Ry) 2.99 Dimensions (W x D x H) (mm) 2.86 x 24 x 114 Aspect Ratio 16:10 Native, 16:94:3 Compatible Offset 96 2% - 112.4% Projection Screen Size 0.55m - 7.7m (25.66 m² - 303.2") Diagonal 16:10 Projection Distance 1.3 - 9.5m Projection Distance 1.3 - 9.5m Video Compatibility 75% Uniformity 75% Computer 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 m² and 3D games from the Sonyle PS3 or Microsoftis Xbox 360 are now supported as part of the HDMI v1.4a specification. 3D Compatibilit	Contrast	20,000:1
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Lens Shirf +16,2% Vertical	Zoom Type	1.6x Manual
Res232, R.145, USB-A Power, USB mouse/service		+16.2% Vertical
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 96.29 x - 112.4% Projection Screen Size 0.65m - 7.7m (25.66° ~ 303.2°) Diagonal 16:10 Projection Distance 1.3 - 9.6m Projection Lens F7.25-3.26; [=20.91~32.62mm Uniformity 75% Computer Compatibility JAX SCA, WKGA, HD, XGA, SVGA, VGA, Mac Video Compatibility PAL SECAM 576/p, NTSC 480/p, HD 720p/1080i/1080p 30 Support Full 30 - 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 Microsoftic Xbox 360 are now supported as part of the HDMI v1.4a specification. 3D Compatibility Side-by-Side:10806160 / 60, 720p50 / 60 Horizontal Scan Rate 15 - 91kHz Vertical Scan Rate 24 - 120Hz Usplayable Colours 1.07 Billion Noise Level (Eco mode) 32dB Power Consumption 309W Bright model / 249W Eco mode (<0.5W Standby)	I/O Connectors	
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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 Over-Under: 1080p24, 720p50 / 60 Over-Under: 1080p24, 720p50 / 60 Siglayable 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 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 RoHS	Projection Screen Size	0.65m - 7.7m (25.66" ~ 303.2") Diagonal 16:10
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Horizontal Scan Rate Vertical Scan Rate 24 - 120Hz Displayable Colours 1.07 Billion Noise Level (Eco mode) 32dB Power Supply 100-240V, 50-60Hz Power Consumption 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	, , , , , ,	
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)		Over-Under: 1080p24, 720p50 / 60
Displayable Colours 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	Horizontal Scan Rate	15 - 91kHz
Noise Level (Eco mode) 32dB Power Supply 100-240V, 50-60Hz Power Consumption 309W Bright mode / 249W Eco mode (<0.5W Standby)	Vertical Scan Rate	24 - 120Hz
Power Supply 100-240V, 50-60Hz Power Consumption 309W Bright mode / 249W Eco mode (<0.5W Standby) Lamp Type 260W Security Security Power 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	Displayable Colours	1.07 Billion
Power Consumption 309W Bright mode / 249W Eco mode (<0.5W Standby) Lamp Type 260W Security 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	Noise Level (Eco mode)	32dB
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	Power Supply	100-240V, 50-60Hz
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	Power Consumption	309W Bright mode / 249W Eco mode (<0.5W Standby)
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	Lamp Type	
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	Security	Security bar, Kensington lock, password protection
Optional Accessories DLP® Link™ 3D glasses, wireless, ceiling mount Optional Wireless Yes RoHS Compliant	On Screen Display	
Optional Wireless Yes RoHS Compliant	Standard Accessories	AC power cord, remote control, 2x AAA batteries, quick start card, CD user manual
Optional Wireless Yes RoHS Compliant	Optional Accessories	DLP® Link™ 3D glasses, wireless, ceiling mount
		Yes
Colour Guarantee 5 Years	RoHS	Compliant
	Colour Guarantee	5 Years



Optoma Europe Ltd.

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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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