



Compact and Powerful

Make your presentations count regardless of the ambient light level using the bright 416 series. 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* 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 zoom range, vertical lens shift and networking features for remote monitoring and control.

* sold separately

 **Extron.**  **AMX**  **CRESTRON.**  **PJLink.**

Large Venue
PROJECTOR series

 **Optoma**



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.



MHL

Turn your projector into a smart display by connecting your smartphone or tablet with a single cable using MHL; now you can view presentations and documents, stream videos and share photos on the big screen. You can even use MHL to connect and power the HD Cast Pro (sold separately).



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.



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.



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.



USB Power

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



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.

Specification	X416	W416	EH416	WU416								
Display Technology	TI DLP® technology 0.55" XGA DMD Chip	TI DLP® technology 0.65" WXGA DMD Chip	TI DLP® technology 0.65" 1080P DMD Chip	TI DLP® technology 0.65" WUXGA DMD Chip								
Native Resolution	1024 x 768 (XGA)	1280 x 800 (WXGA)	1920 x 1080 (1080P)	1920 x 1200 (WUXGA)								
Brightness / Contrast Ratio	4300 ANSI Lumens / 20,000 :1	4500 ANSI Lumens / 20,000 :1	4200 ANSI Lumens / 20,000 :1									
Display Colors	1073.4 million colors (10bit)											
Projection Lens	F# 2.51~2.93, f = 15.98~21.42 mm; 1.36x zoom	F# 2.5~3.26, f = 20.9~32.6 mm; 1.6x zoom										
Image Size	33.6 ~ 300 inches	25.66 ~ 300 inch	26.21~300 inches	26.94~300 inches								
Throw Ratio (Projection distance/width)	1.391 ~ 1.903	1.47 ~ 2.352	1.4 ~ 2.24	1.4 ~ 2.24								
Digital Keystone Correction / Offset	±40° Vertical / 115%±5%											
Aspect Ratio	4:3 Native, 16:9 Compatible	16:10 Native, 4:3/16:9 Compatible	16:9 Native, 4:3 Compatible	16:10 Native, 4:3/16:9 Compatible								
Scan Rate	Horizontal : 15,31~90 kHz / Vertical : 50 ~85 Hz											
Computer Compatibility	UXGA, SXGA+, SXGA, XGA, SVGA, VGA Compression, VESA standards, PC & Macintosh compatible											
3D Compatibility	Video:480i & HDMI 1.4a Blu-ray 3D, Computer:1280x720/1024x768/800x600@120Hz											
Input / Output Connections	HDMI 1.4a x 2, VGA in x1, VGA Out x1, Composite Video x1, Audio in x2(Mini-jack), Audio Out x1(Mini-jack), Power USB x 1 , mini-USB(for service) x 1, RS232 Control x1, RJ45 Controlx1											
Vertical Lens shift Range	Lens shift Range			Lens shift Range			Lens shift Range			Lens shift Range		
	Max	Min	Total	Max	Min	Total	Max	Min	Total	Max	Min	Total
	115%	98.1%	16.9%	112.4%	96.2%	16.2%	116.0%	98.9%	17.1%	109.4%	94%	15.4%
Uniformity	85 %											
Speaker	10W											
Noise	31 dB											
Lamp Life	3000 / 5000 / 7000 Hrs (Bright / Eco / Eco+ mode)											
Power Supply	Universal AC 100~240V, 50/60Hz @110VAC											
Dimensions (WxDxH) / Weight	314 x 224 x 114 mm / 3.1 kg											

*Optoma reserves the right to change this brochure without prior notice, please refer to www.optoma.com for any change



*Optoma guarantees that in normal use, Optoma DLP® color quality will be indistinguishable from when new. Please note that worn lamps will give slight variance. Exclusions: (1) Guarantee is voided if the projector is subject to damage through mis-use. (2) Guarantee may be void in industrial or commercial entertainment environments where dust or smoke is particularly excessive (3) Guarantee will not apply if lamp brightness is below 50% due to wear or if the projector is not working due to other fault. Typical lamp life achieved through testing. Will vary according to operational use and environment conditions. Optoma guarantees that in normal use, the DLP® imager guarantee will retain quality for at least 5 years providing consistent pixel performance. Exclusions: (1) Guarantee is voided if the projector is subject to damage through mis-use. (2) Guarantee may be void in industrial or commercial entertainment environments where dust or smoke is particularly excessive. Copyright © 2016, Optoma Corporation. All other product names and company names used herein are for identifications purposes only and may be trademarks or registered trademarks of their respective owners. Errors and omissions excepted, all specifications are subject to change without notice. DLP®, BrilliantColor™ and the DLP logo are registered trademarks of Texas Instruments.