

BRIGHT MULTIMEDIA PROJECTION X416



HIGH RESOLUTION XGA PRESENTATIONS



-  **4300 lumens and 20000:1 contrast ratio produce a sharp, brilliant image**
-  **Advanced Optical Lens features a 1.36x ZOOM and Vertical Lens Shift**
-  **Extensive array of connectivity options featuring dual HDMI and dual audio-in**
-  **sRGB color profile enables vibrant and highly accurate colors via REC.709b HDTV spec**
-  **Compensate for loss of brightness with Wall Color Adjustment**
-  **Hide jagged and soft edges with Edge Mask**



The Optoma X416 is the ideal XGA projector for corporate, house of worship and higher education use. It comes fully loaded with a host of advanced features including 4300 lumens, advanced optical lens, 1024x768 resolution, a massive 1.36x Zoom, sRGB support, and 20000:1 contrast ratio. Whether you are delivering quarterly earnings, a sales presentation or a daily science lesson, the X416 will wow audiences with incredibly bright images, deep blacks, and vivid, brilliant colors.

Its sRGB color profile enables rich, accurate color based on the primaries of Rec.709 HDTV specification when used with a PC, Mac, or any sRGB-compatible source. Wall Color Adjustment is designed to compensate for the loss of brightness when projecting on non-white projection surfaces in different environments. This feature is useful in classrooms, conference rooms, training rooms or anywhere where the presenter is using a colored wall, blackboard, chalkboard, or whiteboard for the projection surface.

The X416 features a new cutting edge optical lens, 1.36x Zoom, and Vertical Lens Shift for easy installations. Edge Mask eliminates soft and jagged edges on the border of projected images to produce a smooth, consistent image. The carrying bag included with purchase makes the X416 perfect for meetings in the field, presentations in the conference room or trainings in the classroom.

CONNECTIVITY (May require optional accessories)



Computers



Smart Phones



Tablets



3D Blu-ray/DVD Players



Camcorders



Apple TV®



Chromecast™

BRIGHT MULTIMEDIA PROJECTION - X416

OPTICAL/TECHNICAL SPECIFICATIONS

Display Technology	Single 0.55" DC3 DMD DLP®Technology by Texas Instruments™
Color Wheel	6 Segment RYGCWB
Native Resolution	1024x768 XGA
Maximum Resolution	1600 x1200 UXGA
Brightness	4300 ANSI Lumens
Contrast Ratio	20000:1
Displayable Colors	1.07 Billion
Lamp Life and Type*	6500/5000/5000/3000 - ECO/Bright/ECO/Bright
Projection Method	Front, rear, ceiling mount, table top
Keystone Correction	±40° Vertical
Vertical Lens Shift	15%
Uniformity	80%
Offset	115%±5%
Aspect Ratio	4:3, 16:9 , Native, Auto
Throw Ratio	1.39 - 1.90
Projection Distance	4.26'–27.8' (1.3m - 8.5m)
Image Size	33.62" - 300.7"
Projection Lens	F=2.5~ 2.93, f=15.98 ~ 21.42 mm manual focus
Optical Zoom	1.36x Manual
Digital Zoom	0.8 - 2.0
Audio	10W Mono Speaker
Noise Level	29dB
Remote Control	Full Function Remote with Laser Pointer
Operating Temperature	41–104°F (5–40°C), 85% max humidity
Power Supply	AC input 100–240V, 50–60Hz, auto-switching
Power Consumption	321W Typical (Bright mode), 353W Max (Bright mode), 257W Typical (Eco mode), 283W Max (Eco mode)
High Altitude	Operating Temp @ Sea Level to 10000 feet = 23C (max); must manually switch to high altitude mode @ 5000 feet & above (using OSD)

COMPATIBILITY SPECIFICATIONS

Computer Compatibility	XGA, UXGA, WXGA, SXGA+, SXGA, XGA, SVGA, VGA resized, VESA, PC and Mac
Video Compatibility	NTSC, PAL, SECAM, SDTV (480i), EDTV (480p), HDTV (720p, 1080i/p)
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.
Vertical Scan Rate	24 - 120Hz
Horizontal Scan Rate	15.375–91.146KHz
User Controls	Complete on-screen menu adjustment in 26 languages
I/O Connection Ports	2x HDMI 1.4v with MHL, VGA-In, VGA-Out, Composite Video, 2xAudio-In (3.5mm), Audio-Out (3.5mm), RJ-45, USB Power, USB-B Mini (service), RS232C
Loop Through (Audio)	Yes

PHYSICAL SPECIFICATIONS

Security	Kensington® lock, security bar and keypad lock
Weight	6.75 lbs.
Dimensions (W x H x D)	12.36" x 4.48" x 8.81"



- 1. USB (Power)
- 2. Video
- 3. Audio-in 2
- 4. Audio Out
- 5. VGA-Out
- 6. RJ-45
- 7. Audio-In 1
- 8. VGA-In/YPbPr
- 9. RS-232
- 10. HDMI 1/ MHL
- 11. Mouse Service
- 12. HDMI 2



Warranty

3-Year Optoma Express Service, 1-Year on Lamp

What's in the Box (Standard Accessories)

X416 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, DLP®Link™ 3D glasses, Wireless HDMI system, Lamp, Remote

Accessory Part Numbers

Lamp: BL-FU260C
 DLP® Link™ 3D glasses: ZD302
 Universal ceiling mount: OCM818B-RU
 Universal ceiling mount: BM-5001U
 Universal ceiling mount (with extensional pole): OCM815B
 Remote: BR5053C
 Wireless HDMI system: WHD200

UPC 796435 44 000 8

*Lamp life is dependent on many factors, including lamp mode, display mode, usage, environmental conditions and more. Lamp brightness can decrease over time.

†3D content can be viewed with either RF or DLP Link active shutter glasses when projector is used with a compatible 3D player. RF 3D glasses require the use of the RF 3D emitter. Please visit www.OptomaUSA.com for more information

www.OptomaUSA.com



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