# BRIGHT MULTIMEDIA PROJECTION
## X416

**Optoma**

## HIGH RESOLUTION XGA PRESENTATIONS

**HD** **4300 lumens and 20000:1 contrast ratio produce a sharp, brilliant image**

**Advanced Optical Lens features a 1.36x ZOOM and Vertical Lens Shift**

**HDMI /M HL** **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**

**DLP** TEXAS INSTRUMENTS | **BrilliantColor** DLP | **HDMI** HIGH DEFINITION MULTIMEDIA INTERFACE | **XGA** 1024x768 | **Full 3D** | **MHL** | **RoHS** COMPLIANT

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
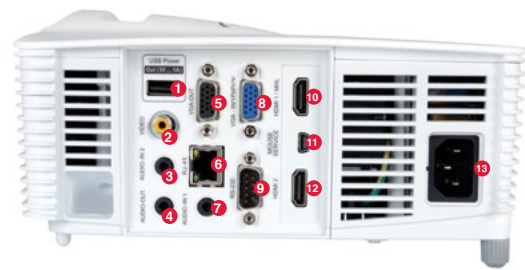
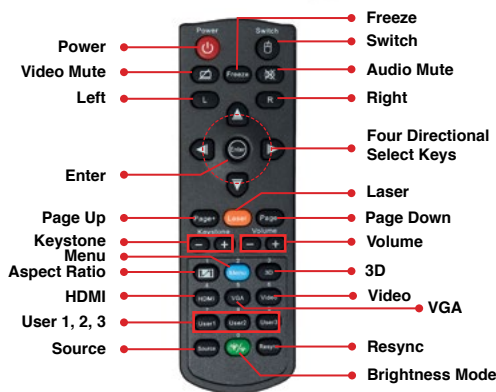| | |
|---|---|
| **Display Technology** | Single 0.55" DC3 DMD DLP®Technology by Texas Instruments™ |
| **Color Wheel** | 6 Segment RYGCWB |
| **Native Resolution** | 1024x768 XGA |
| **Maximum Resolution** | 1600 x1200 UXGA |
| **Brightness** | 4300 ANSI Lumens |
| **Contrast Ratio** | 20000:1 |
| **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 Zoon** | 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

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|---|---|
| **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

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|---|---|
| **Security** | Kensington® lock, security bar and keypad lock |
| **Weight** | 9.7 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

8.81"  12.36"  4.48"

Freeze, Switch, Audio Mute, Right, Four Directional Select Keys, Laser, Page Down, Volume, 3D, Video, VGA, Resync, Brightness Mode

Power, Video Mute, Left, Enter, Page Up, Keystone, Menu, Aspect Ratio, HDMI, User 1, 2, 3, Source

**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-FU260B | Remote: BR5053C |
| DLP® Link™ 3D glasses: ZD302 | Wireless HDMI system: WHD200 |
| Universal ceiling mount: OCM818B-RU | |
| Universal ceiling mount: BM-5001U | |
| Universal ceiling mount (with extensional pole): OCM815B | |

**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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