

# Bright 1080P projection

## HD243X



### Vibrant home theater projection



Bright and colorful 3,300 lumens with a 24,000:1 contrast ratio



Reference display mode enables accurate REC.709 color



Full HD 1080p resolution delivers stunning movies and games



Amazing 12,000 hour lamp life reduces overall cost of ownership



BrilliantColor™ dazzles with vibrant colors



1080P

Full 3D



Bring the cinematic experience into your home with the affordable 3,300 lumens Optoma HD243X 1080p home theater projector. The 24,000:1 contrast ratio, reference display mode, and REC.709 color support delivers extraordinary video quality perfect for movies, sports and gaming.

Pair the Optoma HD243X with a Blu-ray player, high-performance gaming PC or console and transform your living room into a big-screen home theater. The vivid colors, deep black levels and crisp details make it a must-have for watching Hollywood blockbusters and gaming.

A pair of HDMI inputs and USB power provides easy connectivity to the latest HD video streaming devices and gaming consoles to the Optoma HD243X. The 1.1x zoom ensures flexible mounting and installation.

### CONNECTIVITY (May require optional accessories)



Computers



Smart Phones



Tablets



3D Blu-ray/DVD Players



Camcorders



Apple TV®



Chromecast™

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### OPTICAL/TECHNICAL SPECIFICATIONS

|                              |                                                                                                                                     |
|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| <b>Display Technology</b>    | Single 0.47" 1080P DMD DLP® by Texas Instruments                                                                                    |
| <b>Color Wheel</b>           | RYGCWB                                                                                                                              |
| <b>Native Resolution</b>     | 1080p (1920 x 1080)                                                                                                                 |
| <b>Maximum Resolution</b>    | WUXGA (1920 x 1200)                                                                                                                 |
| <b>Brightness</b>            | 3,300 ANSI lumens                                                                                                                   |
| <b>Contrast Ratio</b>        | 24,000:1                                                                                                                            |
| <b>Displayable Colors</b>    | 1.07 billion                                                                                                                        |
| <b>Lamp Life and Type*</b>   | 12,000/10,000/3500 (Dynamic/ECO/Bright) - 240W                                                                                      |
| <b>Projection Method</b>     | Front, rear, ceiling mount, table top                                                                                               |
| <b>Keystone Correction</b>   | ± 40° vertical                                                                                                                      |
| <b>Keystone Distortion</b>   | ±1% max                                                                                                                             |
| <b>Uniformity</b>            | 80%                                                                                                                                 |
| <b>Offset</b>                | 116%±5%                                                                                                                             |
| <b>Aspect Ratio</b>          | 16:9 (native), 4:3, 16:10 and LBX compatible                                                                                        |
| <b>Throw Ratio</b>           | 1.47 - 1.62                                                                                                                         |
| <b>Projection Distance</b>   | 3.2' - 35.37" (no zoom)                                                                                                             |
| <b>Image Size</b>            | 28" - 301"                                                                                                                          |
| <b>Projection Lens</b>       | F=2.1 ~2.31, f=15.59 ~ 17.14mm manual                                                                                               |
| <b>Optical Zoom</b>          | 1.1x                                                                                                                                |
| <b>Digital Zoom</b>          | 0.8 - 2.0                                                                                                                           |
| <b>Audio</b>                 | 10W                                                                                                                                 |
| <b>Noise Level</b>           | 25/27dB (ECO/Active)                                                                                                                |
| <b>Remote Control</b>        | Full size remote                                                                                                                    |
| <b>Operating Temperature</b> | 41~104°F (5~40°C), 85% max humidity                                                                                                 |
| <b>Power Supply</b>          | AC input 100 - 240V, 50 - 60 Hz, auto-switching                                                                                     |
| <b>Power Consumption</b>     | 300W typical (Bright mode), 330W max (Bright mode), 210W typical (Eco+ mode), 230W max (Eco+ mode)                                  |
| <b>High Altitude</b>         | Operating temp @ sea level up to 10000 feet = 23F (max); must manually switch to high altitude mode @ 5000 feet & above (using OSD) |

### COMPATIBILITY SPECIFICATIONS

|                                  |                                                                                                                 |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------|
| <b>Computer Compatibility</b>    | FHD, HD, WXGA, UXGA, SXGA, XGA, SVGA, VGA, Mac                                                                  |
| <b>Video Input Compatibility</b> | PAL (B, D, G, H, I, M, N, 576i/p), NTSC (M, 4.43/3.58 MHz, 480i/p), SECAM (B, D, G, K, K1, L) HD (1080i, 720p)  |
| <b>3D Compatibility†</b>         | Side-by-side: 1080i50 / 60, 720p50 / 60<br>Frame-pack: WUXGA24, 720p50 / 60<br>Over-under: WUXGA24, 720p50 / 60 |
| <b>Vertical Scan Rate</b>        | 15 - 91kHz                                                                                                      |
| <b>Horizontal Scan Rate</b>      | 25 - 85Hz (120Hz for 3D)                                                                                        |
| <b>User Controls</b>             | Complete on-screen menu adjustment in 26 languages                                                              |
| <b>I/O Connection Ports</b>      | 2xHDMI, audio-out, 3D Sync port, 12V trigger, USB power                                                         |
| <b>Loop Through (Audio)</b>      | Yes                                                                                                             |

### PHYSICAL SPECIFICATIONS

|                               |                                                    |
|-------------------------------|----------------------------------------------------|
| <b>Security</b>               | Security bar, Kensington lock, password protection |
| <b>Weight</b>                 | 6.75 lbs.                                          |
| <b>Dimensions (W x H x D)</b> | 12.5" x 4.25" x 9.75"                              |



#### Warranty

1-Year parts and labor limited warranty on the projector, 90 days lamp warranty

#### What's in the Box

HD243X projector, AC power cord, remote control, batteries for remote, quick start guide and warranty card

#### Optional Accessories

Universal ceiling mount, carrying case, lamp, remote, wireless mirroring

#### Accessory Part Numbers

Lamp: BL-FP240G  
Remote: BR-3001B  
Ceiling mount: OCM818B-RU  
Ceiling mount: BM-5001U  
Ceiling mount (with extensional pole): OCM815B  
Carrying case: BK-4028  
HDCast Pro Wireless Mirroring: HDCast Pro-Black

UPC 796435 81 337 6

Optoma.com

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\*Light source life is dependent upon many factors, including brightness mode, display mode, usage, environmental conditions and more. Light source brightness can decrease over time.

†3D content can be viewed with DLP Link active shutter 3D glasses when projector is used with a compatible 3D player. Please visit Optoma.com for more information.