

# Vibrant home theater projection

## HD146X



### Bright 1080p projection for home theater and gaming



- Bright 3,600 lumens with 25,000:1 contrast ratio
- Full HD 1080p resolution
- Enhanced Gaming Mode brings lightning-fast input response for competitive gaming
- Game Display Mode enhances shadows and dark scenes for better playability
- HDMI-Link support simplifies control of connected HDMI devices and video sources
- Outstanding lamp life up to 15,000 hours (Dynamic) reduces overall cost of ownership.



1080P

Full 3D



Embrace the huge-screen cinematic experience with the affordable 3,600 lumens Optoma HD146X 1080p home theater projector. The excellent color reproduction and high-quality 25,000:1 contrast ratio ensures images up to 301-inches look incredible for unmatched immersion for movies and gaming.

Enhanced Gaming Mode delivers lightning-fast input response times of 16ms, perfect for fast-paced and competitive console or PC gaming. Game Display Mode provides a visual advantage by boosting shadows and dark scenes for greater visibility of impending obstacles.

HDMI-Link technology enables control of the projector and connected devices using a single remote, all via the HDMI connection. Up to 15,000-hour lamp life delivers many years of use with minimal maintenance when using Dynamic mode.

**CONNECTIVITY** (May require optional accessories)



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## OPTICAL/TECHNICAL SPECIFICATIONS

Display Technology	Texas Instruments 0.47" DMD
Color Wheel	RYGCWB
Native Resolution	1080p (1920 x 1080)
Maximum Resolution	WUXGA (1920 x 1200)
Brightness	3,600 ANSI lumens
Contrast Ratio	25,000:1
Displayable Colors	1.07 billion
Lamp Life and Type*	15,000/10,000/4,000 (Dynamic/ECO/Bright) - 240W
Projection Method	Front, rear, ceiling mount, table top
Keystone Correction	±40° vertical
Uniformity	80%
Offset	116%±5%
Aspect Ratio	16:9 (native), 4:3, 16:10 and LBX compatible
Throw Ratio	1.47 - 1.62:1
Projection Distance	3.2' - 35.37" (no zoom)
Image Size	28" - 301"
Projection Lens	F=2.1 ~ 2.31, f=15.59 ~ 17.14mm
Optical Zoom	1.1x
Digital Zoom	0.8 - 2.0
Audio	3W
Noise Level	26dB
Remote Control	Full size remote
Operating Temperature	41–104°F (5–40°C), 85% max humidity
Power Supply	AC input 100 - 240V, 50 - 60 Hz, auto-switching
Power Consumption	295W typical (Bright), 325W max (Bright), 215W typical (Eco), 240W max (Eco)
High Altitude	Operating temp @ sea level up to 10000 feet = 23F (max); must manually switch to high altitude mode @ 5000 feet & above (using OSD)

## COMPATIBILITY SPECIFICATIONS

Computer Compatibility	FHD, HD, WXGA, UXGA, SXGA, XGA, SVGA, VGA, Mac
Video Input Compatibility	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)
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	15.375 - 91.146KHz
Horizontal Scan Rate	25 - 85Hz (120Hz for 3D)
User Controls	Complete on-screen menu adjustment in 27 languages
I/O Connection Ports	HDMI (1.4a), audio out (3.5mm), USB (1.5a / firmware update)
Loop Through (Audio)	Yes

## PHYSICAL SPECIFICATIONS

Security	Security bar, Kensington lock, password protection
Weight	6.2 lbs.
Dimensions (W x H x D)	12.4" x 4.3" x 9.5"



### Warranty

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

### What's in the Box

HD146X projector, AC power cord, remote control, batteries for remote, quick start guide

### Optional Accessories

Universal ceiling mount, lamp, remote

### Accessory Part Numbers

Lamp: BL-FU240H  
 Remote: BR-3001B  
 Ceiling mount: OCM818B-RU  
 Ceiling mount (with extensional pole): OCM815B

UPC 796435 81 366 6

Optoma.com



\*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.

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