4K UHD Home Theater & Gaming Projector
UHD30
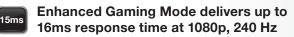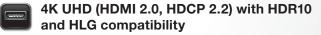
Optoma

Stunning 4K UHD and outstanding gaming smoothness

Bright 3,400 lumens with 500,000:1 contrast ratio for lights-on viewing

240Hz **Ultra-fast 240 Hz refresh rate for unmatched 1080p gaming smoothness**

15ms **Enhanced Gaming Mode delivers up to 16ms response time at 1080p, 240 Hz**

4K UHD (HDMI 2.0, HDCP 2.2) with HDR10 and HLG compatibility

Up to 15,000 hour lamp life reduces overall cost of ownership

3D **Blu-ray 3D compatible**

PICTURE BY **DLP** TEXAS INSTRUMENTS | **4K ULTRA HD** | **2160P** | **HDR COMPATIBLE** | **HDMI** HIGH DEFINITION MULTIMEDIA INTERFACE | **HDCP 2.2** | WIDESCREEN **16:9** ENHANCED

Embrace 4K UHD on a huge screen with the 3,400 lumens Optoma UHD30 projector. Capable of projecting images up to 302-inches, the UHD30 delivers incredible details and vibrant colors that transform your home into a home cinema.

Gamers can take advantage of the ultra-fast 1080p 240 Hz refresh rate for blur-free visuals with outstanding smoothness. Combining the blur-busting refresh rate with Enhanced Gaming Mode results in 16ms response time, or 25ms at 4K UHD, for a competitive gaming advantage.

HDMI 2.0 with HDCP 2.2 support ensures connectivity to the latest 4K UHD devices while a 12V trigger enables control of motorized screens. Up to 15,000-hour lamp life delivers many years of use with minimal maintenance when using Dynamic mode.

CONNECTIVITY (May require optional accessories)

4K UHD Blu-ray Player   4K Game Console   4K Media Streaming   Computers

OPTICAL/TECHNICAL SPECIFICATIONS

Display Technology	Texas Instruments™ 0.47" DMD
Color Wheel	RGBWRGBW 8 segment color wheel
Native Resolution	4K UHD (3840 x 2160) @ 60Hz with XPR Technology
Maximum Resolution	4K UHD (3840 x 2160) @ 60 Hz 1080p (1920 x 1080) @ 240 Hz
Brightness	3,400 ANSI lumens
Contrast Ratio	Up to 500,000:1 with Dynamic Black
Color Gamut Support	REC.709 color gamut provides rich accurate color based on the HDTV broadcast specification and used with all non-HDR content DCI-P3 wide color gamut is the equivalent to color in the CIE 1931 color space, resulting in vivid colors
HDR (High Dynamic Range)	HDR10 & HLG compatible (REC.2020) Picture Modes: Normal, Bright, Detail, Film HDR SIM (simulate HDR effect with non-HDR content)
4K UHD Upscale	Upscales WXGA, 720p, 1080p, WUXGA, 1440p resolutions and frame rates up to 4K UHD (3840x2160), 60 Hz
Video Processing	UltraDetail Technology enhances image quality by improving image depth and clarity
Color Depth	4K UHD (3840 x 2160) @30Hz YUV 4:4:4 (8bit, 10bit, 12bit), YUV 4:2:2 (8bit, 10bit, 12bit), YUV 4:2:0 (8bit, 10bit, 12bit) 4K UHD (3840x2160) @60Hz YUV 4:4:4 (8bit), YUV 4:2:2 (8bit), YUV 4:2:0 (8bit, 10bit, 12bit)
Input Response Enhanced Gaming Mode Enabled	4K UHD (3840x 2160) @ 60 Hz: 25.8ms 1080p (1920 x 1080) @ 60 Hz: 23.8ms 1080p (1920 x 1080) @ 120 Hz: 18.2ms 1080p (1920 x 1080) @ 240 Hz: 15.7ms
Lamp Life and Type*	4000/10,000/15,000 (Bright/ECO/Dynamic)
Projection Method	Front, rear, ceiling mount, table top
Vertical Lens Shift	NA
Keystone	±40°
Uniformity	80%
Offset	105% ±5%
Aspect Ratio	16:9 (native), 4:3 and LBX compatible
Throw Ratio	1.50 - 1.66 (with tolerance ±3%)
Projection Distance	4' - 49' (without zoom)
Image Size	34.1" - 302.4
Projection Lens	F=1.94 ~ 2.23, f=12.81 ~ 16.74 mm manual focus
Optical Zoom	1.1x
Digital Zoom	0.8 - 2.0
Audio	5W speaker
Noise Level	26dB
Remote Control	Full function home remote control
Operating Temperature	41–104°F (5–40°C), 85% max humidity
Power Supply	AC input 100–240V, 50–60Hz, auto-switching
Power Consumption	315W typical (Bright), 347W max (Bright), 225W typical (ECO), 248W max (ECO)
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	4K UHD 2160p, WUXGA, HDTV 1080p, UXGA, SXGA, WXGA+, WXGA (1366x768), WXGA, HDTV (720p), XGA, SVGA, VGA, PC and Mac compatible
Video Compatibility	4K UHD 2160p (24/50/60Hz), 1080p (24/50/60Hz), 1080i (50/60Hz), 720p (50/60Hz), 480i/p, 576i/p
HDR Source Compatibility	Ultra HD Blu-Ray player, 4K UHD streaming media device (Roku 4K Ultra), Xbox One S / One X (Ultra HD Blu-ray, 4K media streaming & HDR gaming) and PS4 Pro (4K UHD media streaming and 4K UHD HDR gaming only)
3D Compatibility†	Blu-ray 3D / Frame-pack: 1080p24, 720p50 / 60 (per eye) Sequential: 1080p24/30 (per eye)
Vertical Scan Rate	24Hz to 120Hz
Horizontal Scan Rate	31.000 to 135.000KHz
User Controls	Complete on-screen menu adjustment in 27 languages
I/O Connection Ports	HDMI 2.0 (w/ HDCP 2.2, MHL 2.1), HDMI 1.4a, VGA-in, audio-in (3.5mm), audio-out, S/PDIF out (optical), USB 2.0 (service port), USB power (5V, 1.5A), RS-232C, 12V Trigger
Loop Through (Audio)	Audio passthrough from HDMI to 3.5mm audio out and optical S/ PDIF out (2 channels)

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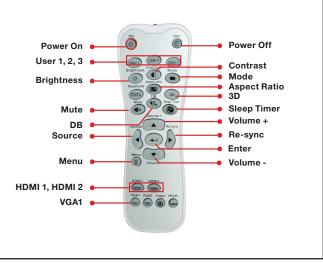
†3D content can be viewed with DLP Link active shutter 3D glasses when projector is used with a compatible 3D player. Please visit Optoma.com for more information.

1. USB (service)
2. RS-232C
3. VGA
4. HDMI 2.0
5. HDMI 1.4a
6. USB Power
7. Audio-In
8. Optical S/PDIF
9. Audio-In
10. Audio-Out
11. AC Power
12. Kensington™ Lock

Power On
User 1, 2, 3
Brightness
Mute
DB
Source
Menu
HDMI 1, HDMI 2
VGA1

Power Off
Contrast
Mode
Aspect Ratio
3D
Sleep Timer
Volume +
Re-sync
Enter
Volume -

PHYSICAL SPECIFICATIONS

Security	Kensington® lock port, password (OSD)
Weight	8.6lbs.
Dimensions (W x H x D)	12.4" x 4.6" x 10.6"

Warranty

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

What's in the Box

UHD30, AC power cord, remote control, batteries for remote and quick start user manual

Accessories

Lamp (replacement): BL-FP240E
Remote (replacement): BR-3003B
Universal mount: OCM815W, OCM818W-RU

UPC 796435 81 363 5

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