4K UHD Home Theater & Gaming Projector

UHD30

Stunning 4K UHD and outstanding gaming smoothness

- Bright 3,400 lumens with 500,000:1 contrast ratio for lights-on viewing
- Ultra-fast 240 Hz refresh rate for unmatched 1080p gaming smoothness
- 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
- Blu-ray 3D compatible

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

HDR (High Dynamic Range)
HDR10 & HLG compatible (REC.2020)

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) and AC Power)

HDR10 & HLG compatible (REC.2020)

1931 color space, resulting in vivid colors

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), YUV 4:2:0 (8bit, 10bit, 12bit)

Input Response
4K UHD (3840x2160) @ 60 Hz: 25.8ms
1080p (1920 x 1080) @ 60 Hz: 23.8ms
1080p (1920 x 1080) @ 120 Hz: 18.7ms
1080p (1920 x 1080) @ 240 Hz: 15.7ms

S/ PDIF out (2 channels)

Loop Through (Audio)
Audio passthrough from HDMI to 3.5mm audio out and optical S/PDIF out (2 channels)

FLYWHEEL TECHNOLOGY
UltraDetail Technology enhances image quality by improving image depth and clarity

Picture Modes:
Normal, Bright, Detail, Film

HDR (High Dynamic Range)
HDR10 & HLG compatible (REC.2020)

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)

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)

Input Response
Enhanced Gaming Mode Enabled
4K UHD (3840x2160) @ 60 Hz: 25.8ms
1080p (1920 x 1080) @ 60 Hz: 23.8ms
1080p (1920 x 1080) @ 120 Hz: 18.7ms
1080p (1920 x 1080) @ 240 Hz: 15.7ms

Lamp Life and Type*
4000/10,000/15,000 (Bright/ECO/Dynamic)

I/O Connection Ports
User Controls
Complete on-screen menu adjustment in 27 languages

Aspect Ratio
16:9 (native), 4:3 and LBX compatible

Throw Ratio
1.50 - 1.66 (with tolerance ±3%)

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
135W typical (Bright), 247W max (Bright), 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, WXGA, HDTV 1080p, UXGA, SXGA, WXGA+, WXGA (1366x768), WXGA, HDTV (720p), XGA, SVGA, VGA, PC and Mac compatible

Video Compatibility
4K UHD 2160p (4250/60Hz), 1080p (4250/60Hz), 1080i (60Hz), 720p (60Hz), 480p, 576i

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*
Side-by-side: 1080p/50 / 60, 720p/50 / 60
Blu-ray 3D / Frame-pack: 1080p24, 720p50 / 60
Over-under: 1080p24, 720p50 / 60

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)

*Lights 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.

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 guide card

Optional Accessories
Universal ceiling mount, remote

Accessory Part Numbers
Lamp: BL-FP240E
Remote: BR-3003B
Mount: OCM815W, OCM818W-RU

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