NEXT GENERATION 4K ULTRA HIGH DEFINITION
HOME THEATER PROJECTOR
UHD60

Bring the Ultimate 4K Experience Home with the Optoma UHD60

- Native 4K UHD 3840x2160 2160p resolution, bright 3000 lumens, and cinematic color
- HDR- Compatible - HDR10 produces the brightest whites, deepest blacks, and life-like color that is beautiful and striking, all courtesy of the REC.2020 wide color gamut and DCI-P3 color gamut coverage
- Dynamic Black delivers 1,000,000:1 contrast ratio for exceptional black levels
- HDMI 2.0 and HDCP 2.2 deliver a full 18Gbps for the best 4K UHD video bandwidth, image quality and device compatibility
- Vertical Lens Shift and 1.6x zoom provide an intuitive and flexible installation
- UltraDetail allows fine adjustments to image clarity and sharpness resulting in a clear and highly detailed image
- 2 x 4W Stereo Speakers and Optical output to AV Receiver deliver crisp and sharp audio

UHD60 is a state of the art 4K Ultra High Definition (UHD) Projector for home cinema and home theater capable of delivering ultra sharp images with a high level of detail and breathtaking color. With 4 times the pixels of 1080p, an Ultra High Resolution of 3840x2160, 3000 lumens, 1,000,000:1 contrast ratio, High Dynamic Range in the form of HDR10, vertical lens shift and a massive 1.6x Zoom, the Optoma UHD60 has been engineered to deliver the ultimate 4K UHD home viewing experience. The Optoma UHD60 is powered by a revolutionary Texas Instruments 4K DLP UHD Chipset with a high performance DMD utilizing XPR video processing technology with fast switching to display 8.3 million “distinct” pixels as mandated by the Consumer Technology Association’s 4K UHD 2160p specification.

The UHD60 can project 4K UHD images up to 140 inches, allowing viewers to be in optimum viewing area to enjoy all 4K UHD pixels, from a distance of up to 11 feet. The average 55-75 inch 4K UHD TV simply cannot match this, as viewers typically sit further away from their TV than the optimum viewing area of 4-6 feet. High Dynamic Range, also known as HDR is the true star of the 4K UHD show. HDR leverages REC.2020 wide color gamut and DCI-P3 color gamut coverage to deliver super luminous levels of white, the deepest black levels, and beautifully striking like-life real world color that was previously only possible in the Cinema.

A generous 15% vertical lens shift and 1.6x optical zoom provide a great deal of flexibility in terms of installation location within any home, while dual 4W stereo speakers generate audio that is loud and crisp. The lamp life on the UHD60 is a robust 10,000 hours in ECO mode and 15,000 hours in Dynamic mode.
**OPTICAL/TECHNICAL SPECIFICATIONS**

**Display Technology**
“Single 0.66” TRP S610 4K UHD DMD DLP® Technology by Texas Instruments™

**Color Wheel**
RGBCY 5 Segment color wheel

**Native Resolution**
4K UHD 3840x2160 @ 60Hz with XPR Technology

**Maximum Resolution**
4K 4096x2160 @ 60Hz with XPR Technology

**4K UHD Upscale Conversion**
Upscales non-4K UHD resolutions (WXGA, 720p, 1080p, WUXGA, 1440p) and frame rates to 2160p 60Hz (4K UHD)

**Brightness**
3000 Lumens

**Contrast Ratio**
Up to 1,000,000:1 with Dynamic Black

**REC.709 Color Gamut**
REC.709 color gamut provides rich accurate color based on REC.709 Color Gamut

**HDR (High Dynamic Range)**
HDR Compatible (decode HDR10 metadata) / 4 Picture Modes: HDR (High Dynamic Range)

**HDR Wide Color Gamuts (REC.2020 and DCI-P3)**
The RGB primaries (real color) utilized in REC.2020 (BR.2020) wide color gamut and DCI-P3 color gamut coverage is the equivalent to those used in the CIE 1931 color space (CIE 1931 color space defines links between “pure physical colors” and “perceived” colors of human vision). REC.2020 will be used anytime the source content contains HDR metadata.

**HDR Compatibility**
HDR Source: 4K UHD Blu-Ray Player (such as the Samsung UBD-K8500 Ultra), 4K UHD Streaming Media Device (such as the Roku 4K Ultra), Xbox One S (4K UHD Blu-ray, 4K Media Streaming, & Games), or PS4 Pro (4K Media Streaming and Games only)

**HDR Effects for non-HDR Content / 4 Effects:**
HDR Video, or Hulu 4K UHD HDR Video

**SDR to HDR (Emulation, apply HDR to non-HDR content)**
HDR Effects for non-HDR Content / 4 Effects: Normal, Bright, Detail, Film

**UltraDetail**
Enhances image quality by improving image depth and clarity. 3 level to choose from.

**Color Depth**
3840x2160 4300Hz YUV 4:4:4 (8bit, 10bit, 12bit), YUV 4:2:2 (8bit, 10bit, 12bit), YUV 4:2:0 (8bit, 10bit, 12bit)

**Lamp Life and Type**
3840x2160 4600Hz YUV 4:4:4 (8bit), YUV 4:2:2 (8bit), YUV 4:2:0 (8bit, 10bit, 12bit)

**Lamp Life and Type**
4000/1000/15000 (Bright/ECO/Dynamic)

**Projection Method**
Front, rear, ceiling mount, table top

**Projection Distance**
16:9 (native), 4:3, Auto, LBX (2160p and 1080p)

**Throw Ratio**
1.39 - 2.22 (with tolerance +/- 5%)

**Throw Ratio**
4.2 – 30.5

**Image Size**
26.45” - 302.2” (26.45” to 140” optimal image size)

**Projection Lens**
F=2.5~3.26, f=20.91~32.62 mm manual focus

**Uniformity**
15% offset (with tolerance +/- 5%)

**Vertical Lens Shift**
100% (see Vertical Lens Shift above)

**Offset**
16.9 (native), 4:3, Auto, LBX (2160p and 1080p)

**Aspect Ratio**
4:3, Auto, LBX (2160p and 1080p)

**Aspect Ratio**
16:9 (native), 4:3, Auto, LBX (2160p and 1080p)

**Height Adjustment**
100% (see Vertical Lens Shift above)

**Uniformity**
100% (see Vertical Lens Shift above)

**Throw Ratio**
1.39 - 2.22 (with tolerance +/- 5%)

**Projection Distance**
4.2 – 30.5

**Image Size**
26.45” - 302.2” (26.45” to 140” optimal image size)

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**Optical Zoom**
1.6x

**Digital Zoom**
0.8 - 2.0

**Audio**
2 x 4W Stereo Speakers

**Audio In**
2160p, WUXGA, HDTV 1080p, UXGA, SXGA, WXGA+, WXGA (1366x768), WXGA, HDTV (720p), XGA, SVGA, VGA, PC and Mac compatible

**Video Compatibility**
UHD 2160p (24/50/60Hz), 1080p (24/50/60Hz), 1080i (50/60Hz), 720p (50/60Hz), 480i/p, 576i/p

**Vertical Scan Rate**
24Hz to 120Hz

**Horizontal Scan Rate**
31.000kHz (AC3 Dolby Digital, Dolby Digital Plus, 2160p)

**User Controls**
Complete on-screen menu adjustment in 10 languages

**I/O Connection Ports**
1xHDMI 1.4a, 1xHDMI 2.0 (w/HDCP 2.2), MHL 2.1 and Full 18Gbps, VGA-In, Audio-In (3.5mm), Audio-Out, SPDIF Out (Optical), USB 2.0 Port (Service), USB-A Power, RJ45, RS232C

**Loop Through (Audio)**
Audio Pass Through via HDMI to 3.5mm Audio Out and Optical Out (AC3 Dolby Digital, Dolby Digital Plus, DTS)

**Power Supply**
AC input 100~240V, 50~60Hz, auto-switching

**Power Consumption**
31W Typical (Bright mode), 348W Max (Bright mode), 239W Typical (Eco mode), 285W Max (Eco+ mode)

**High Altitude**
Operating Temp @ Sea Level to 10000 feet = 23°C (max); must manually switch to high altitude mode @ 5000 feet & above (using OSD)

**COMPATIBILITY SPECIFICATIONS**

**Computer Compatibility**
UHD 2160p, WUXGA, HDTV 1080p, UXGA, SXGA, WXGA, WXGA+, WXGA (1366x768), WXGA, HDTV (720p), XGA, SVGA, VGA, PC and Mac compatible

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**PHYSICAL SPECIFICATIONS**

**Security**
Kensington® lock port, password (OSD)

**Weight**
16lbs

**Dimensions (W x H x D)**
19.0” x 13” x 6”

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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.*