Transform your living room into a high-quality home cinema with the affordable Optoma UHD50 4K UHD home theater projector. Its high 4K UHD resolution, 2,400 lumens of brightness, wide color gamut support and up to 500,000:1 contrast ratio combined with HDR compatibility delivers amazing detail, clarity and vibrant colors that bring your favorite Hollywood blockbusters and games to life.

The latest Texas Instruments 4K UHD DLP chipset with high-performance DMD and XPR video processing technology forms the heart of the Optoma UHD50 and meets the CTA's definition of 4K Ultra HD. This innovative fast-switching technology displays 8.3-million simultaneous distinct pixels at screen sizes up to 140-inches for immersive home cinematic experiences.

A pair of HDMI 2.0 inputs with HDCP 2.2 technologies ensure compatibility with 4K UHD video sources for amazing details, clarity and vibrant colors. Vertical lens-shift and 1.3x zoom for easy and flexible installation.
**OPTICAL/TECHNICAL SPECIFICATIONS**

**Display Technology**
Single 0.47” 4K UHD DMD DLP® Technology by Texas Instruments™

**Color Wheel**
RGBRGB 6 Segment color wheel

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

**Maximum Resolution**
4K 4096x2160 @ 60Hz

**Brightness**
2,400 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

**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**
3840x2160 @30Hz YUV 4:4:4 (8bit, 10bit, 12bit), YUV 4:2:2 (8bit), YUV 4:2:0 (8bit, 10bit, 12bit)

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

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

**Throw Ratio**
1.21 - 1.59 (with tolerance ±5%)

**Projection Distance**
2.9’ - 34.89’

**Color Wheel**
RGBRGB 6 Segment color wheel

**Uniformity**
80%

**Offset**
100%

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

**Resolution**
4K UHD 2160p, WUXGA, HDTV 1080p, UXGA, SXGA, WXGA+, 720p, 576i/p, 480i/p

**Power On**
317W typical (Bright mode), 348W max (Bright mode), 259W (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**
4K UHD 2160p, WUXGA, HDTV 1080p, UXGA, SXGA, WXGA+, WXGA (1366x768), WXGA, HDTV (720p), XGA, SXGA, SXGA, 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, 4:3, 16:9 (native), 4:3 and LBX compatible

**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 PSA Pro (4K UHD media streaming and 4K UHD HDR gaming only)

**3D Compatibility**

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

**PHYSICAL SPECIFICATIONS**

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

**Weight**
11.75lbs.

**Dimensions (W x H x D)**
15.4” x 11.1” x 5.1”

**What's in the Box**
UHD50, lens cap, AC power cord, HDMI cable, remote control, batteries for remote, multilingual CD-ROM, user’s manual, quick start guide and warranty card

**Optional Accessories**
Mount

**Warranty**
1-year limited warranty, 90-days on lamp

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

**UPC**
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