The UHD60 is a state-of-the-art 4K Ultra High Definition (UHD) projector for home theater capable of delivering ultra sharp images with a high level of detail and astounding color. With 4 times the pixels of 1080p, a resolution of 3840x2160, 3000 lumens, and 1,000,000:1 contrast ratio, the UHD60 delivers breath-taking and vivid picture quality. Offering High Dynamic Range in the form of HDR10, vertical lens shift and a 1.6x Zoom, and an HDMI 2.0 port with Full 18Gbps, the UHD60 has been engineered to deliver the ultimate 4K UHD home viewing experience. The UHD60 is powered by a revolutionary Texas Instruments 4K DLP UHD chipset with a high performance DMD. This utilizes 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 sit as far as 10 feet away and still enjoy all 4K UHD pixels. 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 5-6 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 life-like real world color that was previously only possible in the cinema.

A 15% vertical lens shift and a 1.6x optical zoom provide a great deal of flexibility in terms of installation location, while dual 4 watt 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 5610 4K UHD DMD DLP® Technology by Texas Instruments™

Color Wheel
RGBGY 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 (non-HDR content)
REC.709 color gamut provides rich accurate color based on the HDTV Broadcast Specification. REC.709 will be used with all non-HDR content.

HDR (High Dynamic Range)
HDR Compatible (decode HDR10 metadata) / 4 Picture Modes: Normal, Bright, Detail, Film

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

4K 4096x2160 @ 60Hz with XPR Technology

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

HDR Compatibility
HDR Source: 4K UHD Blu-Ray Player (such as the Samsung UBK-500 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 Content: HDR 4K UHD Blu-ray Disc, HDR Streaming Media Device (such as Amazon 4K UHD HDR Video, Netflix 4K UHD HDR Video, or Hulu 4K UHD HDR Video)

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 @60Hz YUV 4:4:4 (8bit), 10bit, 12bit), YUV 4:2:2 (8bit, 10bit), 12bit)

Lamp Life and Type
Typical (Eco mode), 285W Max (Eco mode), 259W (Normal, Bright mode)

Noise Level
28/25dB (Bright/ECO)

Power Consumption
317W Typical (Bright mode), 348W Max (Bright mode), 259W (Typical, ECO mode)

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

Remote Control
Full Function Home Remote Control

Power Supply
AC input 100–220V, 50–60Hz, auto-switching

Power Consumption
31W Typical (Bright mode), 348W Max (Bright mode), 259W Typical (Eco mode), 285W Max (Eco mode)

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

What's in the Box
UHD60, lens cap, AC power cord, HDMI cable, remote control, batteries for remote, multimedia CD-ROM, user’s manual, quick start card, and warranty card

Optional Accessories
Mount

Accessory Part Numbers
Lamp: BL-FP240E
Remote: BR-3003B
Mount: BM-5001U, OCM815W, OCM818W-RU

COMPATIBILITY SPECIFICATIONS

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

Video Compatibility
UHD 2160p (4K/50/60Hz), 1080p (4K/50/60Hz), 1080i (50/60Hz), 720p (50/60Hz), 480p, 576p

Vertical Scan Rate
24Hz to 120Hz

Horizontal Scan Rate
31,000 to 135,000Hz

User Controls
Complete on-screen menu adjustment in 10 languages

I/O Connection Ports
1xHDMI 1.4a, 1xHDMI 2.0a (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, P400, RGB23C, 12V Trigger

Loop Through (Audio)
Audio Pass Through to HDMI to 3.5mm Audio Out and Optical Out (2 channels)

PHYSICAL SPECIFICATIONS

Security
Kensington® lock port, password (OSD)

Weight
16lbs

Dimensions (W x H x D)
19.6” x 13” x 6”