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, to deliver 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 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 3840x2160 @ 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 1,000:1 with Dynamic Black

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

**3000 Lumens (4K UHD)**
3840x2160 @ 60Hz with XPR Technology

**1080p, WUXGA, 1440p**
Frame rates to 2160p 60Hz (4K UHD)

**HDR Compatible (decode HDR10 metadata) / 4 Picture Modes:**
- HDR (High Dynamic Range)
- REC.709 color gamut provides rich accurate color based on REC.709 Color Gamut
- 3000 Lumens (4K UHD)
- 1080p, WUXGA, 1440p and frame rates to 2160p 60Hz (4K UHD)

**Power Consumption**
4000/10000/15000 (Bright/ECO/Dynamic)

**Lamp Life and Type**
Typical (Eco mode), 285W Max (Eco mode), 317W Typical (Bright mode), 348W Max (Bright mode), 259W

**Speaker**
2x4W Stereo Speakers

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

**Weight**
16lbs

**Audio**
0.8 - 2.0

**Projection Distance**
4.2’ - 30.5’

**Throw Ratio**
F=2.5~ 3.26, f=20.91 ~ 32.62 mm manual focus

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

**Uniformity**
85%

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

**SRD 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 9300Hz, 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 9300Hz, YUV 4:4:4 (8bit) YUV 4:2:2 (8bit), YUV 4:2:0 (8bit)

**Color Wheel**
YUV 4:4:4 (8bit), YUV 4:2:2 (8bit), YUV 4:2:0 (8bit)

**Lamp Life and Type**
3 level to choose from.

**Brightness**
Normal, Bright, UltraDetail

**Power On**
User 1, 2, 3

**Power Off**
User 1, 2, 3

**Remote Control**
Full Function Home Remote Control

**Operating Temperature**
41°F to 104°F (5°C to 40°C), 85% max humidity

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

**Power Consumption**
317W Typical (Bright mode), 348W Max (Bright mode), 259W Typical (ECO mode), 280W Max (ECO mode)

**Compliance**
RoHS, UL, FCC

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

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

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

**Horizontal Scan Rate**
31.000 to 135.000kHz

**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, 5PDIF Out (Optical), USB 2.0 Port (Service), USB-A Power, RJ-45, RS232C, 12V Trigger

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

**PHYSICAL SPECIFICATIONS**

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

**Weight**
16lbs

**Dimensions (W x H x D)**
"Single 0.66” TRP S610 4K UHD DMD DLP® Technology by Texas Instruments™

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