POWERFUL LASER PHOSPHOR 4K ULTRA HIGH DEFINITION PROJECTOR

UHZ65

Larger-than-life 4K laser home viewing experience with stunning color and amazing clarity



Native 4K UHD 3840x2160 2160p, bright 3000 lumens, and a laser phosphor light source for for vibrant, vivid cinematic color and no lamps to change

Optoma



HDR-compatible - HDR10 produces the brightest whites, deepest blacks, and striking, life-like colors courtesy of wide color gamut support featuring REC.2020 and DCI-P3 coverage

Dynamic Black delivers 2,000,000:1 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

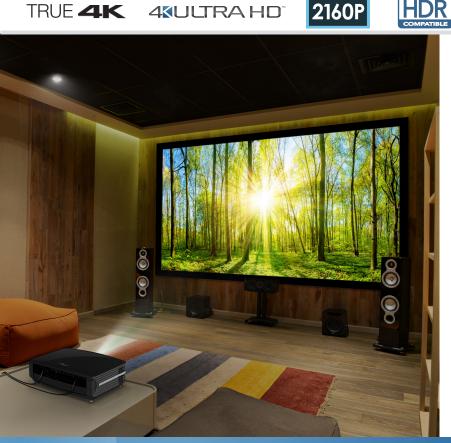
Vertical Lens Shift and 1.6x zoom for an intuitive and flexible installation

HOMI

PureMotion technology eliminates noise, motion blur, and judder in fast motion video, producing clear and consistently smooth images

Stereo speakers and optical output to AV receiver delivers crisp and sharp audio

HDCP22



CONNECTIVITY (May require optional accessories)

The UHZ65 is a state-of-the-art 4K Ultra High Definition (UHD) projector for home cinema viewing capable of delivering incredibly 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, and 2,000,000:1 contrast ratio, the UHZ65 has been engineered to deliver the ultimate 4K UHD home viewing experience. Its powerful laser phosphor light engine, High Dynamic Range in the form of HDR10, vertical lens shift and massive 1.6x Zoom, take image quality and use of the UHZ65 to world class, cinema-quality. The UHZ65 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 UHZ65 can project 4K UHD images of 140+ inches, allowing viewers to sit as far a way as 11 feet from the screen and still enjoy the full 4K UHD pixel experience. 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 (HDR) is the true star of the 4K UHD show. HDR leverages wide color gamut with REC.2020 and DCI-P3 coverage to deliver luminous whites, deep black levels, and striking, like-life, real world color that was previously only possible at the movies.

The UHZ65's PureMotion technology dramatically enhances games, movies, and sports by eliminating noise, motion blur, and erratic movement in fast motion video, producing images that are clear, consistent, and smooth. In terms of at-home installation, a generous 15% vertical lens shift and a massive 1.6x optical zoom provide a great deal of flexibility, while dual stereo speakers generate audio that is loud and crisp. The UHZ65's light source provides a remarkable 30,000 hours, eliminating the need to replace the light source throughout the life of the projector.

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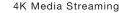




4K Set Top Box

4K UHD Blu-ray Player

4K Game Console



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Computers/Mac

POWERFUL LASER PHOSPHOR 4K ULTRA HIGH DEFINITION PROJECTOR - UHZ65

OPTICAL/TECHNICAL SPECIFICATIONS

Display Technology Single 0.66 TIP S610 4K UHD DMD DLP® Technology by Texas Instruments ^{IM} Color Wheel RGBY 4 Segment color wheel Native Resolution 4K UHD 3840x2160 @ 60Hz with XPR Technology Maximum Resolution 4K 0496x2160 @ 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 2,000,0001 with Dynamic Black REC.709 Color Gamut 100% 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, Brigh, LDE 2020 and DCI-P3 prove physical colors and torware je is the equivalent to those used in the CIE 1931 colors space (CIE 1931 color space defines links between "pure physical colors" and "perceived" colors of numan wisin). HDR Compatibility HDR Source, 4K UHD BU-Fay Player (such as the Samsung UED-K8500 UItra). 4K UHD BU-Fay Player (such as the fame) or Pice Part (PA Colors" and "perceived" colors of numan wisin). HDR Compatibility HDR Source, 4K UHD MBU, Alge Player (such as the fame) or FAB FO (dam color, equit and the colors" and "perceived" colors of numan wisin). UtraDetail Enhances image quality bi inproving image depth and clarity. 3 acolor specification.	OPTICAL/TECHNICAL SPE	CIFICATIONS
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Vertical Lens Shift 15% offset (with tolerance +/- 5%) Uniformity 75% Offset 100%±15% (tolerance: ±5% - see Vertical Lens Shift above) Aspect Ratio 16:9 (native), 4:3, Auto, LBX (2160p and 1080p) Throw Ratio 1.39 - 2.22 (with tolerance +/- 5%) Projection Distance 16" - 581" (no zoom) 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 Optical Zoom 1.6x Digital Zoom 0.8 - 2.0 Audio 2x4W Stereo Speakers Noise Level 33/29dB (Bright/ECO) Remote Control Full Function Home Remote Control Operating Temperature 5°C - 40°C @ 0-2,500 feet / 5°C - 35°C @ 2,500-5,000 feet / 5°C - 35°C @ 2,500-5,000 feet / 5°C - 30°C @ 5.000 - 10,000 feet / 90% max humidity Heat Dissipation 1754 BTU/hr (Bright mode) / 1433 BTU/hr (Bright mode), 1485 BTU/hr (HDR mode) / 1431 BTU/hr (Cinema mode) Power Supply AC input 100–240V, 50–60Hz, auto-switching Power Consumption 400W Typical (Bright mode), 460W Max (Bright mode), 240W Typical (Eco+ mode) High Altitude 3000m max altitude - must manually switch to high altitude mode	Lamp Life and Type*	Up to 30,000 hours (Eco) / Laser Phosphor
Uniformity 75% Offset 100%±15% (tolerance: ±5% - see Vertical Lens Shift above) Aspect Ratio 16:9 (native), 4:3, Auto, LBX (2160p and 1080p) Throw Ratio 1.39 - 2.22 (with tolerance +/- 5%) Projection Distance 16" - 581" (no zoom) 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 Optical Zoom 1.6x Digital Zoom 0.8 - 2.0 Audio 2x4W Stereo Speakers Noise Level 33/29dB (Bright/ECO) Remote Control Full Function Home Remote Control Operating Temperature 5°C ~ 40°C @ 0.2,500 feet / 5°C ~ 35°C @ 2,500-5,000 feet / 5°C ~ 35°C @ 2,500.5,000 feet / 5°C ~ 35°C @ 2,500.5,000 feet / 5°C ~ 35°C @ 2,500 - 10,000 feet / 90% max humidity Heat Dissipation 1754 BTU/hr (Bright mode) / 1433 BTU/hr (Bright mode), 1485 BTU/hr (HDR mode) / 1481 BTU/hr (Cinema mode) Power Supply AC input 100–240V, 50–60Hz, auto-switching Power Consumption 400W Typical (Bright mode), 260W Max (Bright mode), 240W Typical (Eco+ mode), 275W Max (Eco+ mode) High Altitude 3000m max altitude - must manually switch to high altitude mode	Projection Method	Front, rear, ceiling mount, table top
Offset 100%±15% (tolerance: ±5% - see Vertical Lens Shift above) Aspect Ratio 16:9 (native), 4:3, Auto, LBX (2160p and 1080p) Throw Ratio 1.39 - 2.22 (with tolerance +/- 5%) Projection Distance 16" - 581" (no zoom) 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 Optical Zoom 1.6x Digital Zoom 0.8 - 2.0 Audio 2x4W Stereo Speakers Noise Level 33/29dB (Bright/ECO) Remote Control Full Function Home Remote Control Operating Temperature 5°C~40°C @ 0-2,500 feet / 5°C~35°C @ 2,500-5,000 feet / 5°C~35°C @ 2,500-5,000 feet / 5°C~30°C @ 1,000 -10,000 feet / 90% max humidity Heat Dissipation 1754 BTU/hr (Bright mode) / 1433 BTU/hr (Bright mode), 1485 BTU/hr (Bright mode), 1485 BTU/hr (HDR mode) / 1481 BTU/hr (Cinema mode) Power Supply AC input 100-240V, 50-60Hz, auto-switching Power Consumption 400W Typical (Bright mode), 460W Max (Bright mode), 240W Typical (Eco+ mode) High Altitude 3000m max altitude - must manually switch to high altitude mode	Vertical Lens Shift	15% offset (with tolerance +/- 5%)
Aspect Ratio 16:9 (native), 4:3, Auto, LBX (2160p and 1080p) Throw Ratio 1.39 - 2.22 (with tolerance +/- 5%) Projection Distance 16" - 581" (no zoom) 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 Optical Zoom 1.6x Digital Zoom 0.8 - 2.0 Audio 2x4W Stereo Speakers Noise Level 33/29dB (Bright/ECO) Remote Control Full Function Home Remote Control Operating Temperature 5°C~40°C @ 0-2,500 feet / 5°C~35°C @ 2,500.5,000 feet / 5°C~30°C @ 5.000-10,000 feet / 90% max humidity Heat Dissipation 1754 BTU/hr (Bright mode) / 1433 BTU/hr (Bright mode), 1485 BTU/hr (Bright mode) / 1481 BTU/hr (Cinema mode) Power Supply AC input 100-240V, S0-60Hz, auto-switching Power Consumption 400W Typical (Bright mode), 460W Max (Bright mode), 240W Typical (Eco+ mode) Typical (Eco+ mode) 3000m max altitude - must manually switch to high altitude mode	Uniformity	75%
Throw Ratio 1.39 - 2.22 (with tolerance +/- 5%) Projection Distance 16" - 581" (no zoom) 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 Optical Zoom 1.6x Digital Zoom 0.8 - 2.0 Audio 2x4W Stereo Speakers Noise Level 33/29dB (Bright/ECO) Remote Control Full Function Home Remote Control Operating Temperature 5°C~40°C @ 0-2,500 feet / 5°C~35°C @ 2,500.5,000 feet / 5°C~30°C @ 3,000-10,000 feet / 90% max humidity Heat Dissipation 1754 BTU/hr (Bright mode) / 1433 BTU/hr (Bright mode), 1485 BTU/hr (HDR mode) / 1431 BTU/hr (Cinema mode) Power Supply AC input 100-240V, S0-60Hz, auto-switching Power Consumption 400W Typical (Bright mode), 460W Max (Bright mode), 240W Typical (Ecot mode), 240W Max (Ecot mode) Typical (Ecot mode), 2000 max altitude - must manually switch to high altitude mode	Offset	100%±15% (tolerance: ±5% - see Vertical Lens Shift above)
Projection Distance 16" - 581" (no zoom) 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 Optical Zoom 1.6x Digital Zoom 0.8 - 2.0 Audio 2x4W Stereo Speakers Noise Level 33/29dB (Bright/ECO) Remote Control Full Function Home Remote Control Operating Temperature 5°C~40°C @ 0-2,500 feet / 5°C~35°C @ 2,500.5,000 feet / 5°C~30°C @ 5.000-10,000 feet / 90% max humidity Heat Dissipation 1754 BTU/hr (Bright mode) / 1433 BTU/hr (Bright mode), 1485 BTU/hr (HDR mode) / 1481 BTU/hr (Cinema mode) Power Supply AC input 100-240V, 50-60Hz, auto-switching Power Consumption 400W Typical (Bright mode), 460W Max (Beright mode), 240W Typical (Eco+ mode), 240W Max (Eco+ mode) High Altitude 3000m max altitude - must manually switch to high altitude mode	Aspect Ratio	16:9 (native), 4:3, Auto, LBX (2160p and 1080p)
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 Optical Zoom 1.6x Digital Zoom 0.8 - 2.0 Audio 2x4W Stereo Speakers Noise Level 33/29dB (Bright/ECO) Remote Control Full Function Home Remote Control Operating Temperature 5"C~40°C @ 0-2,500 feet / 5"C~35°C @ 2,500~5,000 feet / 5°C~35°C @ 2,500.700 feet / 5°C~30°C @ 5,000~10,000 feet / 90% max humidity Heat Dissipation 1754 BTU/hr (Bright mode) / 1433 BTU/hr (Bright mode), 1485 BTU/hr (HDR mode) / 1481 BTU/hr (Cinema mode) Power Supply AC input 100–240V, 50–60Hz, auto-switching Power Consumption 400W Typical (Bright mode), 460W Max (Bright mode), 240W Typical (Eco+ mode), 240W Max (Eco+ mode) High Altitude 3000m max altitude - must manually switch to high altitude mode	Throw Ratio	1.39 - 2.22 (with tolerance +/- 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 Optical Zoom 1.6x Digital Zoom 0.8 - 2.0 Audio 2x4W Stereo Speakers Noise Level 33/29dB (Bright/ECO) Remote Control Full Function Home Remote Control Operating Temperature 5°C~40°C @ 0-2,500 feet / 5°C~35°C @ 2,500~5,000 feet / 5°C~35°C @ 2,500.75,000 feet / 5°C~30°C @ 5,000-10,000 feet / 90% max humidity Heat Dissipation 1754 BTU/hr (Bright mode) / 1431 BTU/hr (Bright mode), 1485 BTU/hr (HDR mode) / 1431 BTU/hr (Cinema mode) Power Supply AC input 100-240V, 50-60Hz, auto-switching Power Consumption 400W Typical (Bright mode), 460W Max (Bright mode), 240W Typical (Eco+ mode), 240W Max (Eco+ mode) High Altitude 3000m max altitude - must manually switch to high altitude mode	Projection Distance	16" - 581" (no zoom)
Projection Lens F=2.5~ 3.26, f=20.91 ~ 32.62 mm manual focus Optical Zoom 1.6x Digital Zoom 0.8 - 2.0 Audio 2x4W Stereo Speakers Noise Level 33/29dB (Bright/ECO) Remote Control Full Function Home Remote Control Operating Temperature 5°C~40°C @ 0-2,500 feet / 5°C~35°C @ 2,500-5,000 feet / 5°C~30°C @ 5,000~10,000 feet / 90% max humidity Heat Dissipation 1754 BTU/hr (Bright mode) / 1433 BTU/hr (Bright mode), 1485 BTU/hr (Bright mode) / 1481 BTU/hr (Ginema mode) Power Supply AC input 100-240V, 50-60Hz, auto-switching Power Consumption 400W Typical (Bright mode), 460W Max (Bright mode), 240W Typical (Eco+ mode), 240W Max (Eco+ mode) High Altitude 3000m max altitude - must manually switch to high altitude mode	Image Size	26.45" - 302.2" (26.45" to 140" optimal image size)
Optical Zoom 1.6x Digital Zoom 0.8 - 2.0 Audio 2x4W Stereo Speakers Noise Level 33/29dB (Bright/ECO) Remote Control Full Function Home Remote Control Operating Temperature 5°C~40°C @ 0-2,500 feet / 5°C~35°C @ 2,500-5,000 feet / 5°C~30°C @ 5,000~10,000 feet / 95% max humidity Heat Dissipation 1754 BTU/hr (Bright mode) / 1433 BTU/hr (Bright mode), 1485 BTU/hr (Bright mode) / 1481 BTU/hr (Cinema mode) Power Supply AC input 100-240V, 50-60Hz, auto-switching Power Consumption 400W Typical (Bright mode), 460W Max (Bright mode), 240W Typical (Eco+ mode), 240W Max (Eoright mode) High Altitude 3000m max altitude - must manually switch to high altitude mode	=	
Digital Zoom 0.8 - 2.0 Audio 2x4W Stereo Speakers Noise Level 33/29dB (Bright/ECO) Remote Control Full Function Home Remote Control Operating Temperature 5°C~40°C @ 0-2,500 feet / 5°C~35°C @ 2,500-5,000 feet / 5°C~30°C @ 5,000~10,000 feet / 90% max humidity Heat Dissipation 1754 BTU/hr (Bright mode) / 1433 BTU/hr (Bright mode), 1485 BTU/hr (HDR mode) / 1431 BTU/hr (Cinema mode) Power Supply AC input 100–240V, 50–60Hz, auto-switching Power Consumption 400W Typical (Bright mode), 275W Max (Bright mode), 240W Typical (Eco+ mode), 275W Max (Eco+ mode) High Altitude 3000m max altitude - must manually switch to high altitude mode		
Audio 2x4W Stereo Speakers Noise Level 33/29dB (Bright/ECO) Remote Control Full Function Home Remote Control Operating Temperature 5°C~40°C @ 0-2,500 feet / 5°C~35°C @ 2,500-5,000 feet / 5°C~30°C @ 5,000~10,000 feet / 90% max humidity Heat Dissipation 1754 BTU/hr (Bright mode) / 1433 BTU/hr (Bright mode), 1485 BTU/hr (HDR mode) / 1433 BTU/hr (Bright mode) Power Supply AC input 100–240V, 50–60Hz, auto-switching Power Consumption 400W Typical (Bright mode), 240W Typical (Eco+ mode), 275W Max (Eco+ mode) High Altitude 3000m max altitude - must manually switch to high altitude mode	·	
Noise Level 33/29dB (Bright/ECO) Remote Control Full Function Home Remote Control Operating Temperature 5°C~40°C @ 0-2,500 feet / 5°C~35°C @ 2,500-5,000 feet / 5°C~30°C @ 5,000~10,000 feet / 90% max humidity Heat Dissipation 1754 BTU/hr (Bright mode) / 1433 BTU/hr (Bright mode), 1485 BTU/hr (HDR mode) / 1431 BTU/hr (Cinema mode) Power Supply AC input 100–240V, 50–60Hz, auto-switching Power Consumption 400W Typical (Bright mode), 240W Typical (Eco+ mode), 275W Max (Eco+ mode) High Altitude 3000m max altitude - must manually switch to high altitude mode		
Remote Control Full Function Home Remote Control Operating Temperature 5°C~40°C @ 0-2,500 feet / 5°C~35°C @ 2,500~5,000 feet / 5°C~30°C @ 5,000~10,000 feet / 90% max humidity Heat Dissipation 1754 BTU/hr (Bright mode) / 1433 BTU/hr (Bright mode), 1455 BTU/hr (HDR mode) / 1433 BTU/hr (Bright mode), 1455 BTU/hr (HDR mode) / 1451 BTU/hr (Cinema mode) Power Supply AC input 100–240V, 50–60Hz, auto-switching Power Consumption 400W Typical (Bright mode), 240W Typical (Eco+ mode), 275W Max (Eco+ mode) High Altitude 3000m max altitude - must manually switch to high altitude mode		· · ·
Operating Temperature 5°C~40°C @ 0-2,500 feet / 5°C~35°C @ 2,500~5,000 feet / 5°C~30°C @ 5,000~10,000 feet / 90% max humidity Heat Dissipation 1754 BTU/hr (Bright mode) / 1433 BTU/hr (Bright mode), 1485 BTU/hr (HDR mode) / 1433 BTU/hr (Cinema mode) Power Supply AC input 100–240V, 50–60Hz, auto-switching Power Consumption 400W Typical (Bright mode), 240W Typical (Eco+ mode) High Altitude 3000m max altitude - must manually switch to high altitude mode		
Heat Dissipation 1754 BTU/hr (Bright mode) / 1433 BTU/hr (Bright mode), 1485 BTU/hr (HDR mode) / 1481 BTU/hr (Cinema mode) Power Supply AC input 100–240V, 50–60Hz, auto-switching Power Consumption 400W Typical (Bright mode), 460W Max (Bright mode), 240W Typical (Eco+ mode), 275W Max (Eco+ mode) High Altitude 3000m max altitude - must manually switch to high altitude mode		5°C~40°C @ 0~2,500 feet / 5°C~35°C @ 2,500~5,000 feet /
Power Supply AC input 100–240V, 50–60Hz, auto-switching Power Consumption 400W Typical (Bright mode), 460W Max (Bright mode), 240W Typical (Eco+ mode), 275W Max (Eco+ mode) High Altitude 3000m max altitude - must manually switch to high altitude mode	Heat Dissipation	1754 BTU/hr (Bright mode) / 1433 BTU/hr (Bright mode),
Power Consumption 400W Typical (Bright mode), 460W Max (Bright mode), 240W Typical (Eco+ mode), 275W Max (Eco+ mode) High Altitude 3000m max altitude - must manually switch to high altitude mode	Power Supply	
High Altitude 3000m max altitude - must manually switch to high altitude mode		· · · · · · · · · · · · · · · · · · ·
	High Altitude	3000m max altitude - must manually switch to high altitude mode

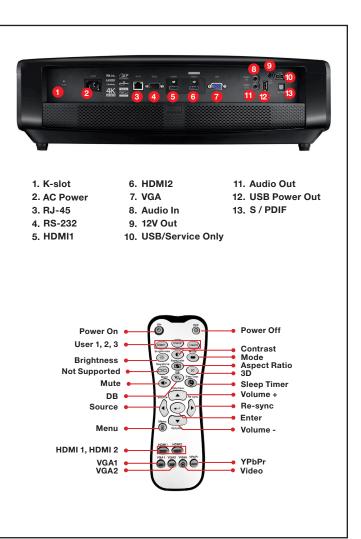
COMPATIBILITY SPECIFICATIONS

Computer Compatibility	UHD 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
3D Compatibility†	1080p 60Hz - 30Hz per Eye / 60Hz Input - 120 Hz Output (PC Only, no Blu-Ray 3D)
Input Pag	77.8ms PureMotion OFF / 145ms PureMotion ON
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, SDPIF Out (Optical/2 Channel ONLY), USB 2.0 Port (Service), USB-A Power, RJ45, RS232C
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	20.5lbs.
Dimensions (W x H x D)	19.6" x 13" x 6"

*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.



Warranty

2 Year parts and labor limited warranty on the projector, 5-year or 12,000 hour light source warranty (whichever comes first)

What's in the Box

UHZ65, AC power cord, remote control, batteries for remote, quick start card

Accessories

Remote (replacement): BL-3001B Mount: BM-5001U, OCM815B, OCM818B-RU

UPC 796435 81 266 9

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