

# Portable 4K UHD Smart Projector

UHL55

## Compact voice assistant-compatible projection



- Incredible 4K UHD resolution with 1,500 lumens and four HDR10 picture modes
- Android OS with 4K UHD HDR media player, smart TV apps and Optoma Marketplace
- Works with Amazon Alexa and Google Assistant
- RGBB LED light source with up to 30,000 hour life
- Stereo audio with Dolby Digital decoding and Bluetooth audio input and output
- Protective sliding lens cover and power switch
- Auto focus and auto keystone for easy place and play

TRUE **4K** 4KULTRA HD™

2160P



Instantly project incredible 4K UHD images with the compact, 1,500 lumen Optoma UHL55 smart projector. Its protective sliding lens cover and power switch, auto focus, auto keystone, HDR10 support and 250,000:1 contrast ratio ensure easy place and play with gorgeous colors and deep black levels.

Amazon Alexa and Google Assistant compatibility enable intuitive voice control for easy smart home integration. Use voice commands to power the projector on and off, change volume, change input source and control the USB media player.

An Android OS with smart TV apps and Optoma Marketplace deliver USB media playback compatibility, Internet streaming services and downloadable apps. Stereo audio with two 8-watt speakers provide crisp audio for movies and music.

### CONNECTIVITY (May require optional accessories)



4K UHD Blu-ray Player



4K Game Console



4K Media Streaming



Computers



# Build a smarter home.



See it all.  
Control it all.  
Play it all.

## AMAZON ALEXA FEATURES

<b>Smart Home Skill</b>	<b>Commands:</b> power on/off, volume control (1-10), change input source, media player controls (play, stop, pause, next, previous, FF, REW, start over)
<b>Custom Skill</b>	<b>Commands:</b> change display mode, HDR picture mode, PureMotion setting
<b>Alexa AV Gear Region Support</b>	United States - English, Canada <sup>2</sup> - Canadian English

## GOOGLE ASSISTANT FEATURES

<b>Actions</b>	<b>Commands:</b> power on/off, volume control (1-10), change input source, media player controls (play, stop, pause, next, previous, FF, REW, start over), change display mode, HDR picture mode, PureMotion setting
<b>Region Support</b>	All regions - English only

## ANDROID OS FEATURES

<b>USB Media Player Compatibility</b>	<b>Videos:</b> 480p, 720p, 1080p, 1440p, 4K UHD, 4K UHD HDR <b>File formats:</b> MKV, MP4, M4V, AVI, H.264, HEVC, MOV, TS <b>Audio:</b> MP3, AAC, WAV, FLAC 16/24-bit <b>Images:</b> JPEG, BMP, GIF
<b>Smart TV Apps</b>	Firefox, Ted TV, Netflix, Smart YouTube TV (4K), Spotify Music for Android TV, BBC News, CBC News, NBA for Android TV and Netflix (1080p) Optima Marketplace app store
<b>PC-free Image Viewer and Document Viewer</b>	Supports viewing of office documents (Word, Excel & PowerPoint), PDFs and images via USB storage devices Autoplay PDF / PowerPoint: 3, 5, 10, 15 & 20 second intervals
<b>Companion App</b>	iOS (App Store) & Android (Play Store & Amazon Appstore)



<sup>2</sup>French language support arriving late 2018.

## PORTABLE 4K UHD SMART PROJECTOR - UHL55

### OPTICAL/TECHNICAL SPECIFICATIONS

<b>Display Technology</b>	Texas Instruments 0.47" 4K UHD DMD
<b>Native Resolution</b>	4K UHD (3840 x 2160)
<b>Maximum Resolution</b>	4K UHD (3840 x 2160)
<b>Brightness</b>	1,500 ANSI lumens
<b>Contrast Ratio</b>	250,000:1
<b>Color Gamut Support</b>	REC.709 color gamut provides rich accurate color based on the HDTV broadcast specification. DCI-P3 wide color gamut is the equivalent to color in the CIE 1931 color space, resulting in vivid colors.
<b>HDR (High Dynamic Range)</b>	HDR10 compatible (REC.2020) Picture Modes: Normal, Bright, Detail, Film HDR SIM (simulate HDR effect with non-HDR content)
<b>4K UHD Upscale</b>	Upscales WXGA, 720p, 1080p, WUXGA, 1440p resolutions and frame rates up to 4K UHD (3840 x 2160), 60 Hz
<b>Video Processing</b>	PureMotion
<b>Displayable Colors</b>	1.07 billion
<b>Keystone Correction</b>	Auto, ±40°
<b>Light Source Life*</b>	30,000/20,000 (ECO/Bright) hours
<b>Light Source Type*</b>	RGBB LED
<b>Projection Method</b>	Front, rear, ceiling mount, table top
<b>Geometry</b>	Auto focus, range: 31" - 78" ±10
<b>Uniformity</b>	80%
<b>Offset</b>	100%
<b>Aspect Ratio</b>	16:9 (native), 16:10 and 4:3 compatible
<b>Throw Ratio</b>	1.2
<b>Projection Distance</b>	2.6' - 17.4'
<b>Image Size</b>	30" ~ 200" Optimal image quality range: 50" ~ 120" (80" ideal)
<b>Projection Lens</b>	C105
<b>Digital Zoom</b>	Yes
<b>Audio</b>	2 x 8W (stereo), Dolby Digital decoding Bluetooth audio input & output
<b>Noise Level</b>	28db
<b>Battery</b>	No
<b>Remote Control</b>	Backlit Bluetooth remote
<b>Operating Temperature</b>	41-104°F (5-40°C), 85% max humidity
<b>Power Supply</b>	AC input 100-240V, 50-60Hz, auto-switching
<b>Power Consumption</b>	170W (Bright Mode)
<b>High Altitude</b>	Operating temp @ sea level to 10,000 feet = 23C (max); must manually switch to high altitude mode @ 5,000 feet & above (using OSD)

### COMPATIBILITY SPECIFICATIONS

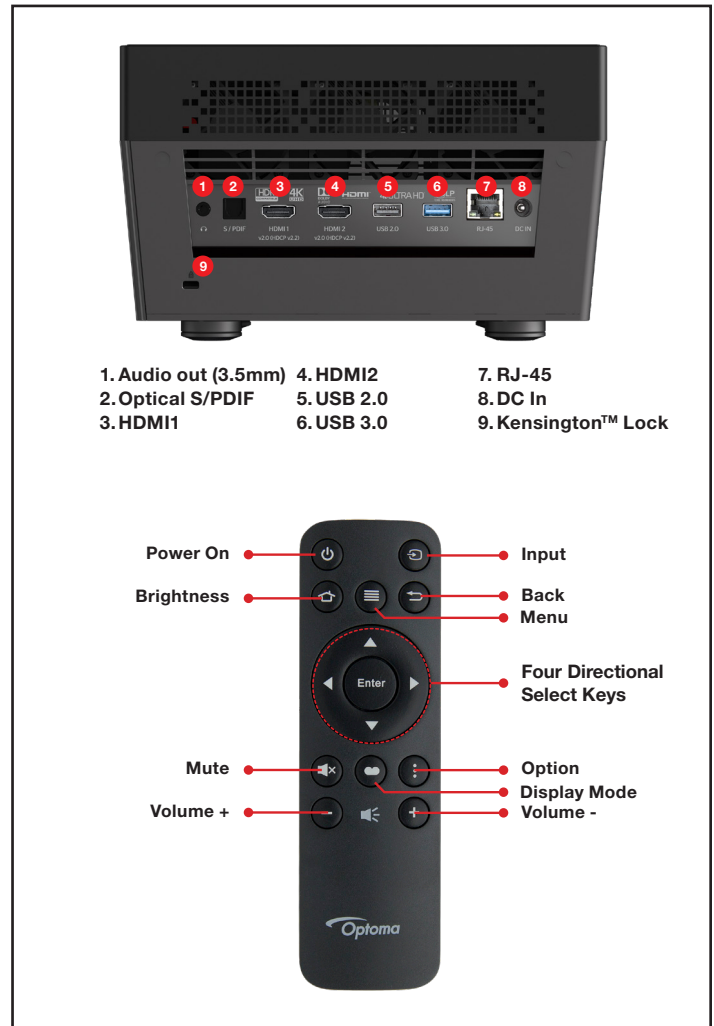
<b>Computer Compatibility</b>	UHD 2160p, WUXGA, HDTV 1080p, UXGA, SXGA, WXGA+, WXGA (1366x768), WXGA, HDTV (720p), XGA, SVGA, VGA, PC and Mac compatible
<b>Video Compatibility</b>	UHD 2160p (24/50/60Hz), 1080p (24/50/60Hz), 1080i (50/60Hz), 720p (50/60Hz), 480i/p, 576i/p
<b>3D Compatibility†</b>	Side-by-side: 1080i50 / 60, 720p50 / 60 Blu-ray 3D / Frame-pack: 1080p24, 720p50 / 60 Over-under: 1080p24, 720p50 / 60
<b>Vertical Scan Rate</b>	Vertical: 24Hz to 120Hz
<b>Horizontal Scan Rate</b>	Horizontal: 31 to 135 KHz
<b>User Controls</b>	Complete on-screen menu adjustment in 27 languages
<b>I/O Connection Ports</b>	2 x HDMI (2.0 with HDCP 2.2), 1 x USB 2.0 (HID, 1.0A), 1 x USB 3.0 (HID, 1.5A), RJ-45, audio out (3.5mm), optical out, Bluetooth 4.0 (HID and audio input/output), Wi-Fi 802.11ac (WEP/TKIP, AES, WPA, WPA2) HID: mouse, keyboard and game controller support
<b>Loop Through (Audio)</b>	Yes
<b>Control</b>	Crestron Roomview

### PHYSICAL SPECIFICATIONS

<b>Security</b>	Kensington® lock port, password (OSD)
<b>Weight</b>	8.7lbs.
<b>Dimensions (W x H x D)</b>	8.6" x 5.3" x 8.6"

\*Light source life is dependent upon many variables, including brightness mode used, display mode used, daily usage (such as 24/7 operation), environmental conditions (such as extreme heat or cold) and more. Light source brightness can and will decrease over time. Maximum light source life cannot be achieved using Bright mode - must use ECO mode.

†3D content can be viewed with DLP Link active shutter 3D glasses when projector is used with a compatible 3D player. Please visit us at Optoma.com for more information.



- 1. Audio out (3.5mm)
- 2. Optical S/PDIF
- 3. HDMI1
- 4. HDMI2
- 5. USB 2.0
- 6. USB 3.0
- 7. RJ-45
- 8. DC In
- 9. Kensington™ Lock

- Power On
- Brightness
- Mute
- Volume +
- Input
- Back Menu
- Menu
- Four Directional Select Keys
- Option
- Display Mode
- Volume -

#### Warranty

2-year or 20,000 hour light source warranty (whichever comes first), 2-year limited parts and labor warranty on the projector

#### What's in the Box

UHL55 projector, power adapter with cable, HDMI cable, Bluetooth remote, quick start guide and warranty card

#### Optional Accessories

Mount, backpack carrying case, leather carrying handle and power supply

#### Accessory Part Numbers

Mount: OCM818B-RU  
Backpack case: BK-4034  
Carrying handle: BK-4035  
Remote: BR-3071N  
Power supply: BP-1003

UPC 796435 44 330 6

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