Bright 4K UHD Smart Projector
UHD52ALV

Voice assistant-compatible projector for lights-on viewing

- Smart+ technology with Alexa, Google Actions and IFTTT integration, and InfoWall
- 4K UHD, bright 3,500 lumens and RGBWRGBW color wheel
- HDR10 and HLG support for brighter whites, deeper black levels and vivid colors
- 4K video playback with the integrated USB media player
- Optoma Connect smart home and SmartFIT setup companion apps (Android & iOS)
- HDMI 2.0 with HDCP 2.2 connectivity ensures compatibility with 4K UHD video sources
- Vertical lens shift and 1.3x zoom for easy install

Enjoy lights-on viewing and taking control via voice commands with the 4K UHD, 3,500 lumen Optoma UHD52ALV. Compatibility with Amazon Echo and Google Assistant devices enables easy integration into smart homes regardless of the preferred voice assistant.

Use voice commands to power the projector on and off, change volume, change input source and control the USB media player. Additionally, the UHD52ALV utilizes the latest Texas Instruments™ 4K UHD DLP chipset capable of displaying 8.3-million simultaneous distinct pixels at screen sizes 140 inches and higher.

A pair of HDMI 2.0 inputs with HDCP 2.2 support, HDR compatibility and wide color gamut ensure 4K device compatibility, rich lifelike color and contrast for immersive experiences. A 1.3x optical zoom and 15% vertical lens shift provide installation flexibility.
### Build a smarter home theater.

### MEDIA PLAYER FEATURES

**USB Media Player Compatibility**

- **Videos:** 480p, 720p, 1080p, 1440p, 4K UHD, 4K UHD HDR
- **File formats:** MKV, MP4, M4V, AVI, H.264, HEVC, MOV, TS
- **Audio:** MP3, AAC, WAV, FLAC 16/24-bit
- **Images:** JPEG, BMP, GIF

**Video streaming**

Web browser provides access to popular websites for video streaming.

**PC-free Image Viewer and Document Viewer**

Supports viewing of office documents (Word, Excel & PowerPoint), PDFs and images via USB storage devices.

**Autoplay PDF / PowerPoint**

Autoplay PDF / PowerPoint: 3, 5, 10, 15 & 20 second intervals

### SMARTPHONE FEATURES

**Companion Apps**

- Optoma Connect (smart home, IFTTT setup)
- InfoWall
- remote control (Android & iOS)

### AMAZON ALEXA FEATURES

**Smart Home Skill**

- Commands: power on/off, volume control (1-10), change input source, media player controls (play, stop, pause, next, previous, FF, REW, start over)

**Custom Skill**

- Commands: change display mode, HDR picture mode, PureMotion setting

**Alexa AV Gear Region Support**

- United States - English, Canada² - Canadian English

### GOOGLE ASSISTANT FEATURES

**Actions**

- Commands: 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

**Region Support**

- All regions - English only

²French language support arriving late 2018.

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**See it all.**

**Control it all.**

**Play it all.**
OPTICAL/TECHNICAL SPECIFICATIONS

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

Color Wheel
RGBWRGBW 8 segment color wheel

Native Resolution
4K UHD 3840 x 2160 @ 60Hz with XPR Technology

Maximum Resolution
4K 4096 x 2160 @ 30Hz

Brightness
3,500 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. DCI-P3 wide color gamut is the equivalent to color in the CIE 1931 color space, resulting in vivid colors.

HDR (High Dynamic Range)
HDR10 (REC.2020) & HLG compatible

4K UHD Upscale
Upscales WXGA, 720p, WUXGA, 1440p resolutions and frame rates up to 4K UHD (3840 x 2160), 60 Hz

Video Processing
UltraDetail Technology enhances image quality by improving image depth and clarity. PureMotion technology eliminates noise, motion blur and judder in fast motion video, producing clear and consistently smooth images

Color Depth
3840 x 2160 @60Hz YUV 4:4:4 (8bit, 10bit, 12bit), YUV 4:2:2 (8bit, 10bit, 12bit), YUV 4:2:0 (8bit, 10bit, 12bit)

Lamp Life
4,000/10,000/15,000 (Bright/ECO/Dynamic)

Projection Method
Front, rear, ceiling mount, table top

Vertical Lens Shift
15% offset (with tolerance ±5%)

Uniformity
80%

Offset
100%

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

Throw Ratio
1.21 - 1.59 (with tolerance +/- 5%)

Projection Distance
80%

Image Size
34.1" - 302.4 (34.1" to 140" optimal image size)

Projection Distance
1.21 - 1.59 (with tolerance +/- 5%)

Optical Zoom
1.3x

Digital Zoom
0.8 - 2.0

Audio
2 x 5W speakers (stereo)

Noise Level
25dB

Remote Control
Full function home remote control

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

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

Power Consumption
317W typical (Bright mode), 348W max (Bright mode), 259W typical (Eco+ mode), 285W max (Eco+ mode)

High Altitude
Operating temp @ sea level to 10,000 feet = 23°C (max); must manually switch to high altitude mode @ 5,000 feet & above (using OSD)

COMPARABILITY SPECIFICATIONS

Computer Compatibility
4K UHD 2160p, WUXGA, HDTV 1080p, UXGA, SXGA, SXGA+, WXGA, WXGA+, WXGA (1280 x 800), WXGA, HDTV (720p), XGA, SVGA, VGA, PC and Mac compatible

Video Compatibility
4K UHD 2160p (24/50/60Hz), 1080p (24/50/60Hz), 1080i (50/60Hz), 720p (50/60Hz), 480i, 576i/p

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 PS4 Pro (4K UHD media streaming and 4K HDR gaming only)

3D Compatibility
Side-by-side: 1080i/p 60 / 720p 50 / 60
Blu-ray 3D / Frame-pack: 1080p 24, 720p 50 / 60
Over-under: 1080p 24, 720p 50 / 60

Scan Rate
Vertical: 24Hz to 120Hz / horizontal: 31 to 135 KHz

I/O Connection Ports
2xHDMI 2.0 (w/ HDCP 2.2, MHL 2.1), VGA-in, audio-in (3.5mm), audio-out, S/PDIF out (optical), USB 2.0 (service port), USB for Alexa Wi-Fi adapter, USB (media playback), USB, RJ-45, RS-232C, 12V trigger

Loop Through (Audio)
Audio passthrough from HDMI to 3.5mm audio out and optical S/PDIF out (2-channel PCM)

PHYSICAL SPECIFICATIONS

Security
Kensington® lock port, password (OSD)

Weight
11.75 lbs.

Dimensions (W x H x D)
15.4" x 5.1" x 11.1"