Enjoy lights-on viewing and taking control via voice commands with the 4K UHD, 3,000 lumen Optoma UHD51ALV. 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 UHD51ALV 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.
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: 3, 5, 10, 15 & 20 second intervals

SMARTPHONE FEATURES

Multimedia Streaming
Casting: videos, images and music from Android, iOS, Windows and Mac OS X (requires EZCast app)

Wireless Screen Mirror
Mirror Android, Windows & Mac OS X (requires EZCast app)

Companion App
iOS (App Store) & Android (Play Store & Amazon Appstore)

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.
OPTICAL/TECHNICAL SPECIFICATIONS

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

Color Wheel: RGBWRGBW & 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 compatible (REC.2020)

Picture Modes: Normal, Bright, Detail, Film

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

Lamp: BL-FP240E

Accessory Part Numbers:
- Lamp: BL-FP240E
- Remote: BR-3081B
- Lamp cap: LAM240E
- AC power cord: PPE-A01
- USB, RJ-45, RS-232C, 12V trigger (3.5mm), audio-out, S/PDIF out (optical), USB 2.0 (service port), USB (Media Player), 2xHDMI 2.0 (w/HDCP 2.2, MHL 2.1), VGA-in, audio-in (3.5mm), audio-out, S/PDF out (digital), USB (service port), USB (Alexa Wi-Fi adapter)
- Kensington® Lock: 65368

What’s in the Box:
- User’s manual, Quick Start Guide and Warranty Card
- Optional Accessories
- Mount, 3D glasses and wireless USB adapter (for wireless screen mirroring or Alexa Wi-Fi replacement)

COMPATIBILITY SPECIFICATIONS

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

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

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

3D Compatibility:
- Side-by-side: 1080i/50 & /60, 720p50 & /60
- Blu-ray 3D / Frame-pack: 1080p24, 720p50 / 60
- Over-under: 1080p24, 720p50 / 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 (digital), USB 2.0 (service port), USB (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”

Warranty:
- 2-year limited warranty, 90-day lamp

What’s in the Box:
- UHD51ALV, lens cap, AC power cord, HDMI cable, remote control, batteries for remote, WUSB Wi-Fi adapter (for Alexa Wi-Fi or wireless screen mirroring), multilingual CD-ROM, user’s manual, quick start guide and warranty card

Optional Accessories:
- Mount, 3D glasses and wireless USB adapter (for wireless screen mirroring or Alexa Wi-Fi replacement)

Accessory Part Numbers:
- Lamp: BL-FP240E
- Remote: BR-3081B
- Mount: BM-5001U, OCM815B, OCM818B-RU
- Wireless adapter: WUSB

3D DLP Link glasses: ZD302

4K UHD Smart Projector - UHD51ALV

Optoma.com

“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.

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.

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