

Home Entertainment hall with different class

LG CineBeam Laser 4K HU810P





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Beyond Home Cinema, Above Projector

A home cinema projector that passes with flying colors in every category, offering various functions and perfect picture quality for a premier viewing experience



1 ENJOY NEXT-LEVEL ADAPTIVE VIEWING

Provides optimal viewing by adjusting to brightness and darkness

BRIGHTNESS OPTIMIZER



BRIGHTNESS OPTIMIZER



IRIS MODE

Depending on lighting condition of viewing environment, a user can change iris mode. DarkRoom(Standard) mode is recommended for optimized images with balanced brightness and black level, while BrightRoom mode is recommended for bright environment viewing with the projector's iris fully open



ADAPTIVE CONTRAST

This feature gives more depth to your image by adaptively adjusting the Laser output to image, in order to create a high contrast ratio. Bright scenes appear brighter, while dark scenes remain detailed with deep blacks and shade detail.



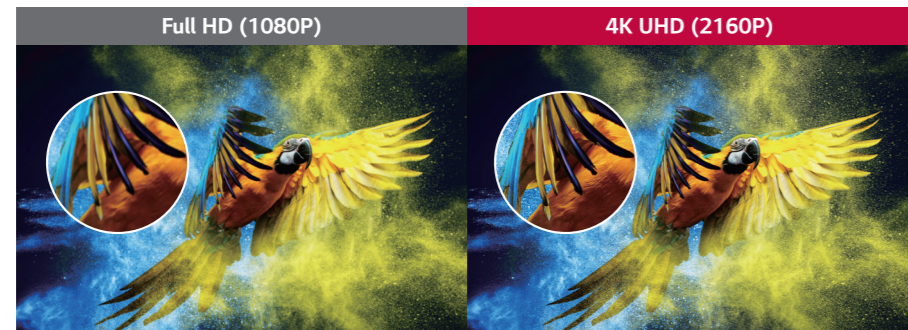
2 EXPERIENCE NEXT-LEVEL EMOTIONS

Unrivaled immersion through your home entertainment

More Vivid and Realistic PICTURE QUALITY

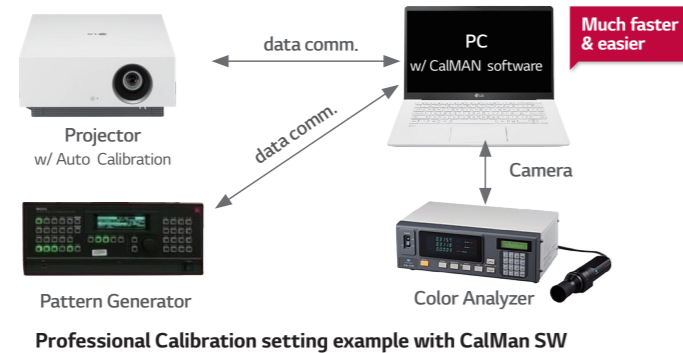
REAL 4K

LG 4K UHD projector has a 3840 x 2160(2160p) resolution with 8.3 million discrete pixels projected with XPR (Expanded Pixel Resolution) video processing. It provides a 4 times more dense and detailed picture, which is obvious with a large screen.



AUTO CALIBRATION (w/CALMAN)

A vital step in projector configuration is calibrating the optimal image contrast, grayscale, and color balance. Due to small picture deviations, differences in screen color and room lightings, and decreased brightness, calibration is crucial for professional projectors. Professional manual calibration requires 3-4 hours, but auto calibration via laptop and software takes only 30 minutes to 1 hour.



* Applied series : All models except HUB10PB-EU, HUB10PW-NA

6 STEP 4K UPSCALER (4K UPSCALER+SUPER RESOLUTION)

To provide consumers a superior Ultra HD picture quality from an HD source, A 4K conversion algorithm and Super Resolution are used to express detailed and clear 4K picture quality.

	Conventional		LG Projector	
Step 1 Source Data Analysis & Improvement		FHD		Step 1 Source Data Analysis & Improvement
				Step 2 Source Data Optimized Refining
Step 3 Ultra HD Resolution Upscaling		UHD		Step 3 Ultra HD Resolution Upscaling
				Step 4 Clarity Enhancer
				Step 5 Detail Enhancer
Step 6 4K Frame Rate Conversion		UHD		Step 6 4K Frame Rate Conversion

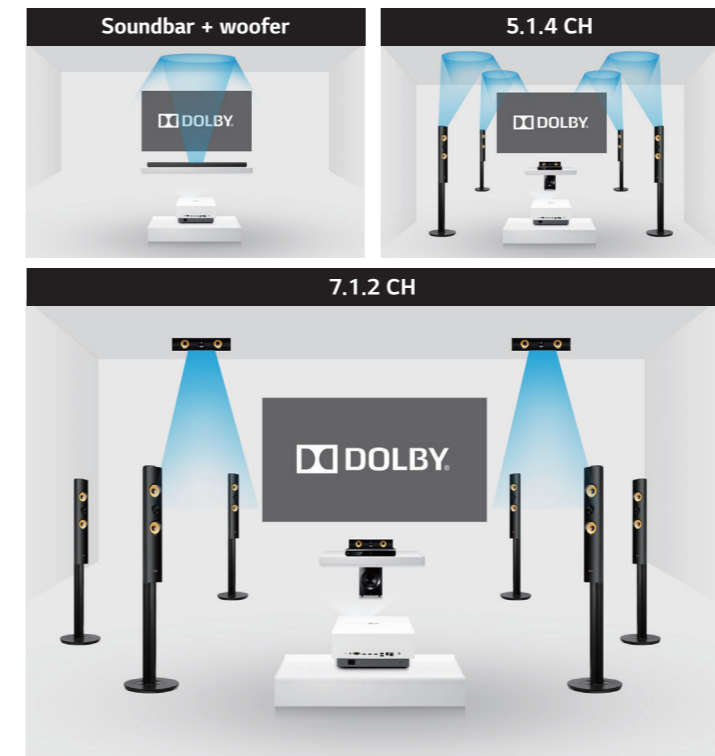
Lifelike and Immersive SOUND QUALITY

eARC

eARC(Enhanced Audio Return Channel) is the next generation of ARC, which is most preferred speaker connection as of today. With eARC, the original, full-resolution audio signal can be sent via the HDMI cable.

DOLBY ATOMOS COMPATIBLE

Through the use of audio objects, overhead sound, and all the richness, clarity, and power of Dolby sound, Dolby Atmos turns your room into an amazing place for entertainment. You'll feel like you're inside the action, in ways you've never before experienced.



FILMMAKER MODE

The picture mode for content appreciation proposed by the film content creators.

FILMMAKER MODE™ logo is a trademark of the UHD Alliance, Inc. in the United States and other countries.

- Voice of Content Creators**
Motion smoothing removes the filmic essence from films, giving them a hyperreal quality. (aka soap opera effect)
- Objective of Filmmaker Mode**
 - Filmmaker Mode turns off motion smoothing and other video processing settings with an eye toward approximating what creator sees in the final grading suite.
 - This mode can faithfully and accurately deliver the creators' intent.
- Same as the original content**
 - Same frame rate
 - Same aspect ratio
 - Motion interpolation : Off
 - Sharpness enhance : Off
 - Noise reduction : Off

REAL CINEMA UP TO 4K

Movies are usually shot at 24 frames per second (fps), whereas standard projectors are 60fps. Real Cinema displays images optimized for the original 24fps without sacrificing image quality, the way the film was meant to be seen. This technology provides a cinematic experience at home, optimizing images for the original 24fps without altering image quality.

Video Source	Film Source
60Hz(ATSC) / 50Hz(DVB)	24Hz
Casual TV / Broadcasting content (RF / HDMI / RGB / AV / Component)	Cinema / film related sources (Theater / DVD / Blue-ray)

Perfect for Movie-lovers CINEMA FUNCTIONALITY

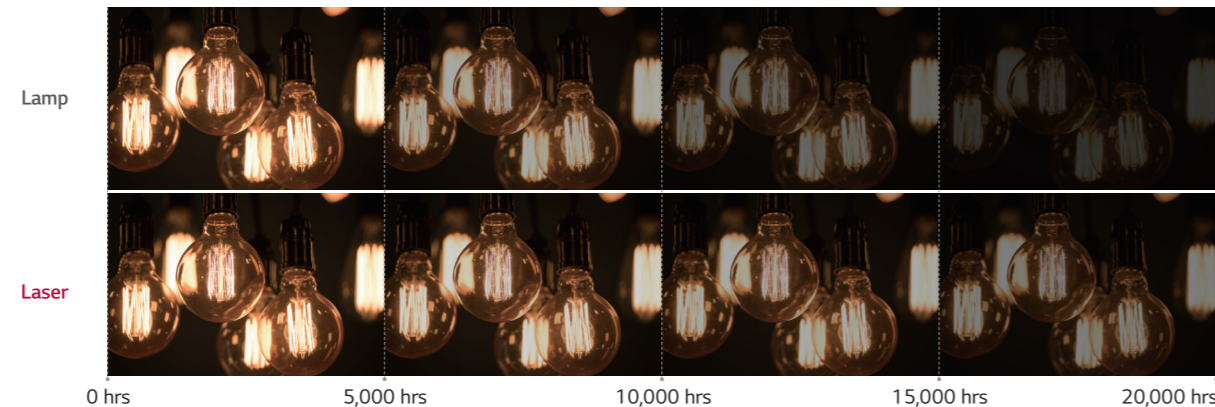
3 COMFORTABLE VIEWING WITH NEXT-LEVEL CONVENIENCE

Enjoying various contents in the optimal environment



LONG LASTING LIGHT SOURCE

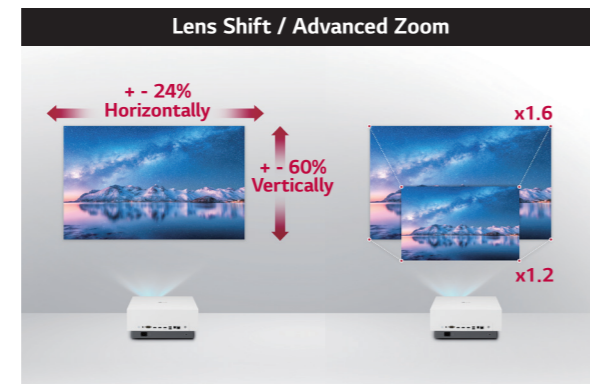
Powerful SSI* light sources display brighter images and last 20,000 hours. In a laser projector playing 8 hours of video a day, the laser diode would last for 7 years and preserve the initial brightness over a long time. No need for expensive bulb or lamp replacements-no additional costs and no hassle.



*SSI: Solid States Lightsources. Laser for 20,000 hours, LED for 30,000 hours.

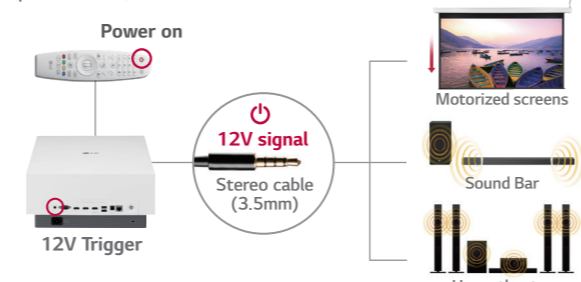
LENSSHIFT / ZOOM

Flexibly and conveniently to be put or installed on the place where you want it to be.



12V TRIGGER (TRIGGER OUT)

Using mini jack stereo cable (3.5mm), you can connect your projector to external devices such as motorized screens that support a trigger signal. When on, a 12V signal is sent to the connected device while the projector is powered on, so screen powered on, and then screen come down.



* Applied series : All models except HU810PB-EU, HU810PW-NA

AIRPLAY2 (CERTIFIED)

Stream or share video, photos, music from your iOS device to your compatible LG TVs. LG CineBeam provide AirPlay2 capability without the need to buy a \$199* Apple TV. * US RRP based

Video casting*

Netflix not supported

- Supports 4K HDR / Dolby Atmos
- Works with Magic Remote (play/pause/caption)

Mirroring

Netflix not supported

- Supports up to 1080p picture quality
- Unsupported HDR / Dolby Vision

Audio Streaming

- Play music from mobile devices
- Works with Magic Remote (play/pause)

HIGH-END WIRELESS SPEAKER & AUDIO (WISA)

LG Wireless audio solution with short latency performance and multi-channel function completes perfect synchronized watching experiences.

Cf) Bluetooth -2019 CineBeam

Left+Center **2.0 channels** Center+Right

- Play one BT speaker only
- ※ 2.0 channels (Sound sync from TV speakers is not matched with bluetooth speaker)

WISA* 2020 CineBeam

- 5.1 channels many speakers connection (USA, Europe, Korea)
- ※ 2.0 channels : Other countries
- Uncompressed, up to 24-bit/96kHz hi-res audio supported

SCREEN SHARE / LG TV PLUS APP (~'19)

LG Smart Share links your smartphone, tablet, or PC with the TV to display photos, video, and music in a simple menu.

Screen Share

Miracast

- mirroring from mobile device or laptop, up to 4K/30Hz
- with Android or Window8.1 ↑ miracast supporting devices

Wireless connection thru LG TV Plus App

webOS

Streaming services like Netflix/Amazon/YouTube user's device cannot be projected through this function

- Streaming from mobile app.
- Contents saved in mobile device only
- with TV Plus app supporting iOS & Android mobile device

4K STREAMING SERVICES

A variety of contents that can be enjoyed. Some old model or competitors' uncertified Android O/S products just have a few contents.

Competitors

All Application

Not certified CPs

- Optoma UHL55 : only 9 apps

LG webOS4.5

Fully certified CPs

- Certified Netflix, Amazon and YouTube
- And other global & local CPs on the launcher + additional content store apps

What is the **CineBeam** for you?

For **MOVIE MANIA**

Satisfy the Movie Mania in you with a high-quality viewing environment, professional audio and picture quality, and functionality specialized for cinema.



Specialized Cinematic Functionality



Deep Immersion with High Picture and Audio Quality



Convenient Features for Tailored Viewing Experience



For **CONTENTS VIEWER**

Freely install your very own home entertainment system without spatial restrictions, and enjoy various contents 24 hours a day in a comfortable viewing environment



Premium home entertainment day and night



Diverse content at your fingertips



Efficient installation without spatial restrictions

LG **CineBeam** Laser 4K

SPECIFICATION



CATEGORY	HU810P
Brightness	2,700 ANSI
Light Source	Laser (up to 20,000 hours)
Resolution	4K UHD (3,840 x 2,160) ¹⁾
Contrast Ratio	2,000,000 : 1
Size (W x D x H, mm)	337 x 410 x 145 mm
Weight	11kg
Power	300W (Max.)
Sound	5W + 5W Speaker
Smart	webOS 5.0 (Smart)
Noise (dB(A))	28 / 27 / 26
Wireless Connection	Android
USB plug & play	Movie, Music, Photo, Office file
Keystone	V-Keystone
Input / Output Terminals	HDMI 3ea (HDMI 2.1 : 1ea / HDMI 2.0 : 2ea), ALLM (Auto Low Latency Mode), eARC (Enhanced Audio Return Channel), up to 24Gbps (input) / 4 : 4 : 4 / RGB 10 bit (Output), USB Type-A, RJ45, Audio out-S/PDIF 1(Optical), USB 2.0 2ea

1) 4K UHD resolution with 8.3 million discrete pixels projected by XPR (Expanded Pixel Resolution) video processing.