



LG CineBeam



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LG CineBeam HU80K

A new era home cinema 4K UHD Projector
like you've never seen before

Create your own premium home theater wherever you want.

The HU80K's advanced laser technology produces a larger, brighter, more detailed 4K picture with 8.3 mega pixels. In addition, its transformative design makes it easy to set up a 4K theater in any environment.





Contents

Imaging Performance

4K UHD
XPR (8.3 Mega Pixel)
HDR, TruMotion

Laser Projector

Lasts up to 20,000 Hours
LifeLong lasting brightness

Customized Installation

Transforming Design
Auto Cord Reel
I-Shaped Slender Design

Wireless Connection

Keyboard & Mouse
Bluetooth
Mirroring

Advanced Usability

Smart Function
Web Browser

Specification



A Clearer, Larger Picture for an Immersive Experience : 4K UHD



Full HD



4K UHD

LG CineBeam delivers a cinematic viewing experience on a large screen (up to 150 inches) with a 3,840x2,160 resolution picture that is four times more dense and detailed.

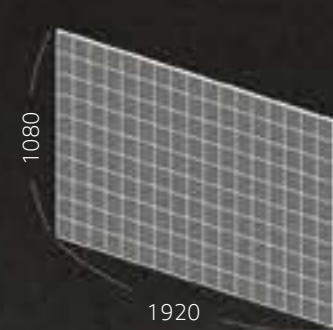
And, for FHD contents with resolution that is lower than 4K, its resolution up-scaling process makes them appear sharper as well.



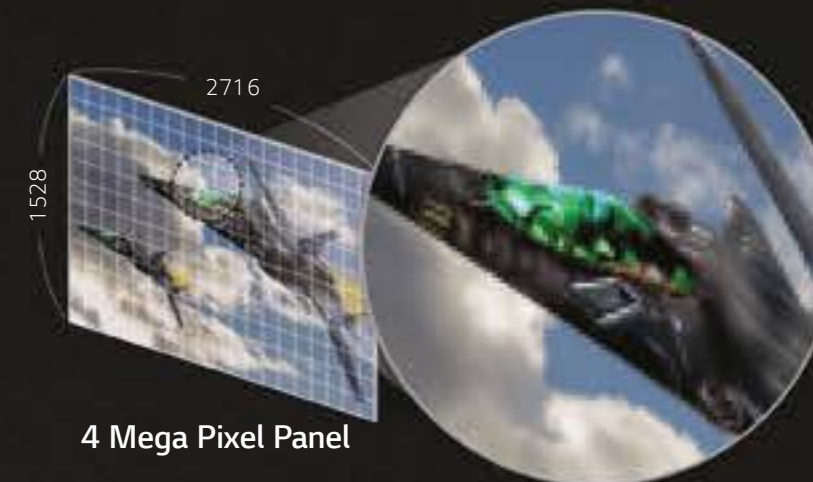
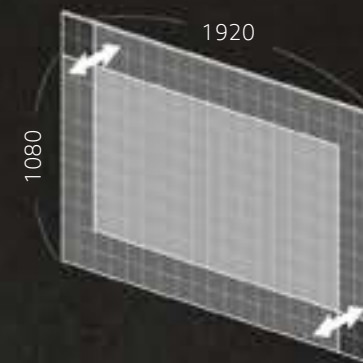
More Vivid 8.3 Mega Pixel 4K UHD: XPR (Expanded Pixel Resolution)

The HU80K's imaging system is based on Texas Instruments' 4K/UHD DLP technology, in which the panel has a native array of 2 mega pixels. The panel can be shifted in four directions to obtain an effective resolution of 3,840×2,160 (8.3 mega pixels). For 4 mega pixel 4K UHD, the panel can be shifted twice (diagonally) to obtain a resolution of 2,716×1,528 (4.15 mega pixels).

Conventional

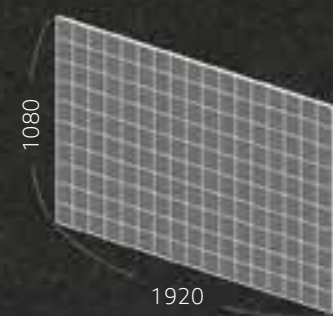


2 Mega Pixel Panel

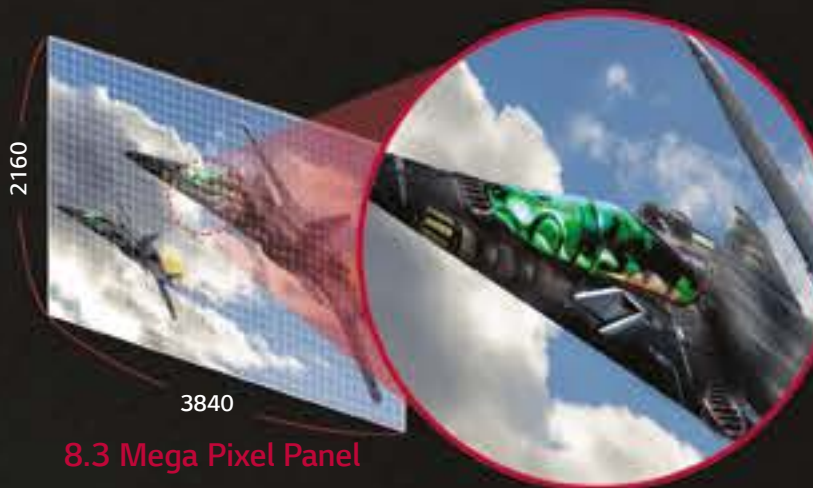
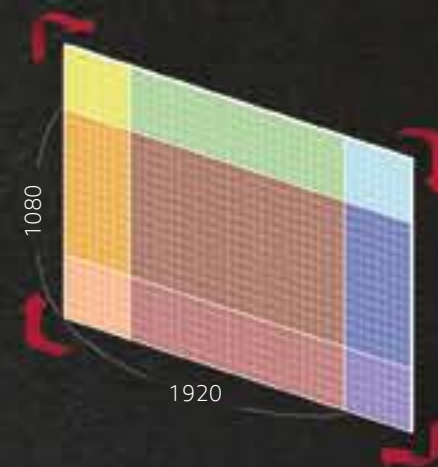


4 Mega Pixel Panel

HU80K



2 Mega Pixel Panel



8.3 Mega Pixel Panel

Making the Bright Areas Brighter and the Colors Deeper : HDR10

The HU80K promises a great cinematic experience with HDR10 features that make the bright areas brighter and the dark areas darker and present a wider range of color.



SDR



HDR

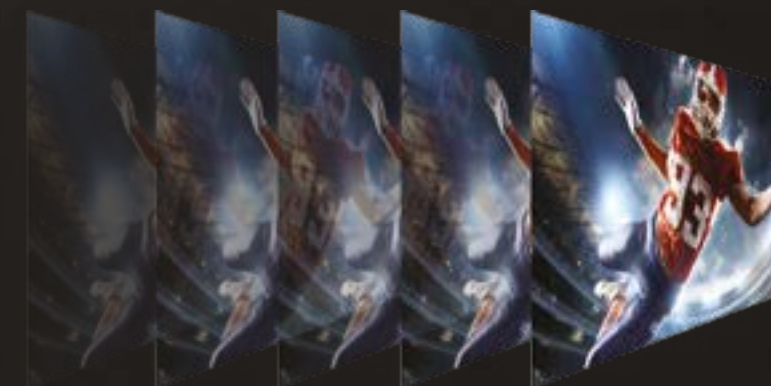
Free from judder, Minimal Blur : Trumotion

Home entertainment such as sports, action movies and fast-moving videos are more enjoyable to watch with MEMC (Motion Estimation and Motion Compensation) technology. MEMC technology is a type of video processing that generates animation between existing frames, making the action more fluid.



Conventional

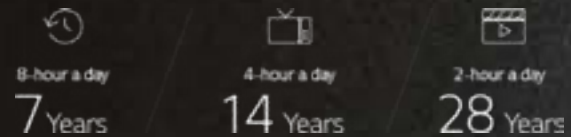
VS



HU80K

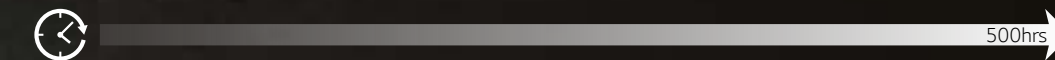
Stable, Long-Lasting Light : 20,000 Hours

The HU80K is a laser projector with ultrahigh 4K quality, and its powerful laser light source displays brighter images and lasts up to 20,000 hours. In other words, if the projector was operated for eight hours a day, the laser light source would last for seven years.

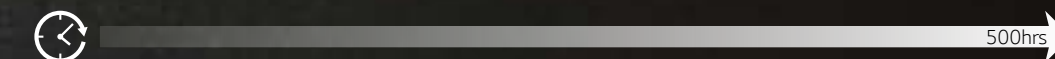


The Initial Brightness Lasts Longer : Long Lasts Brightness

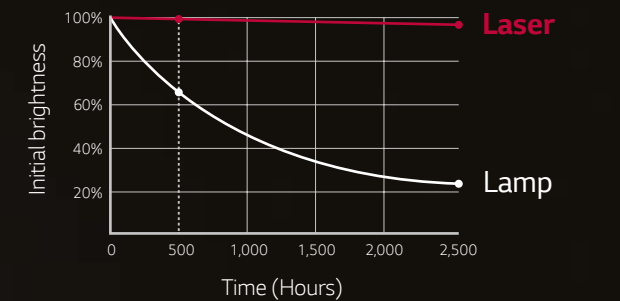
Lamp



Laser



For a lamp, the initial brightness rate falls to 65 percent after 500 hours of use, but brightness remains at 99 percent for the laser. So, while a lamp needs to be changed frequently, the HU80K minimizes the maintenance costs and inconvenience caused by bulb replacement.



Place It Anywhere : Transforming Design

The HU80K's innovative design with a mirror at the lens cover allows for customized installation in any home environment. The projector will display perfect images whether it is placed on the floor or a table, mounted on a wall or hanging from the ceiling.



Easy to Transport and Efficiently Organized : Auto Cord Reel

Setup is easy with the auto cord reel, and there's no need for a separate power adapter. After watching movies, it is easy to organize and store everything to maintain a tidy living space.



Making it Slim but Powerful : I-shaped Engine

The HU80K's unique slim, upright design is made possible by its mirrorless I-shaped engine. This uniquely shaped engine gives the HU80K a remarkably reduced body size, while still delivering 2,500 lumens and clear 4K UHD picture quality. Also, with a convenient carrying handle, it is easy to transport and install anywhere.



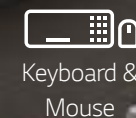
Converntional L-shaped

VS



I-shaped

Seamless Connectivity : Wireless Connection





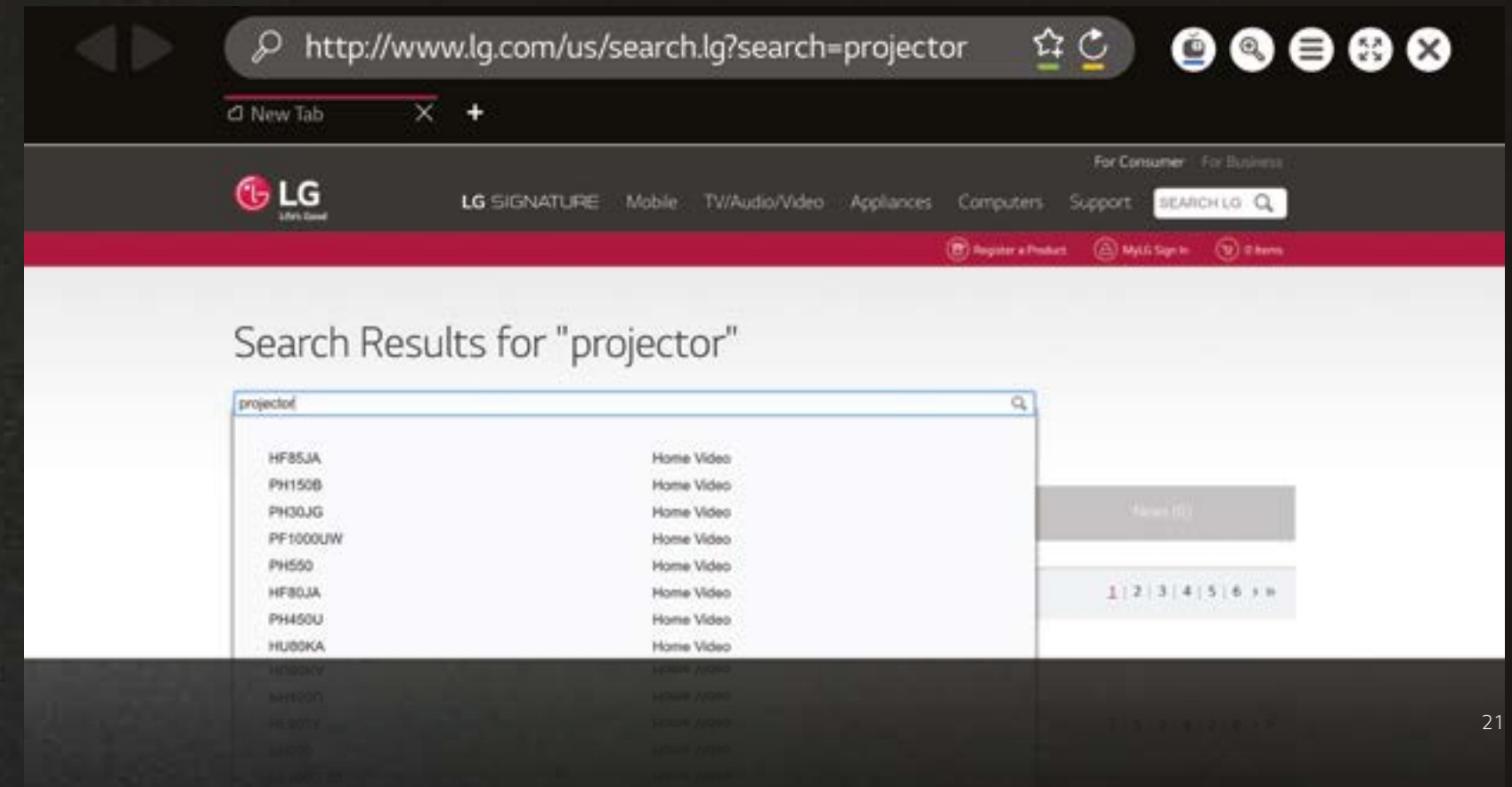
Making it Smarter and Easier : Smart Function

Enjoy rich 4K streaming contents via Smart Function.

It is simple to set up and easy to navigate to discover a wide variety of contents from popular providers such as YouTube, Netflix and more.

Search Directly from the Projector : Web Browsing

Users can directly access the web browser on the projector through the webOS function without having to use a smartphone or PC to search for information or contents.





Specification

LG HU80K				
Model		HU80KG	HU80KS	HU80KA
Size / Throw distance		Up to 150" @ 435cm	Up to 150" @ 435cm	Up to 150" @ 435cm
Illumination system		2500 ANSI Lumen	2500 ANSI Lumen	2500 ANSI Lumen
		Laser	Laser	Laser
		20,000 hours	20,000 hours	20,000 hours
Engine Type		I-shaped engine	I-shaped engine	I-shaped engine
Resolution		4K UHD(21 60p)	4K UHD(21 60p)	4K UHD(21 60p)
Contrast ratio		1 50,000:1	1 50,000:1	1 50,000:1
Features	Image Adjustment	Auto vertical keystone	Auto vertical keystone	Auto vertical keystone
		Zoom (1.2x)	Zoom (1.2x)	Zoom (1.2x)
	Wireless Connection	Wireless screen mirroring	Wireless screen mirroring	Wireless screen mirroring
		Bluetooth 4.0	Bluetooth 4.0	Bluetooth 4.0
		Wireless Keyboard, Mouse	Wireless Keyboard, Mouse	Wireless Keyboard, Mouse
	Smart Function	CP / Apps	CP / Apps	CP / Apps
		Fun Bean Bird tutorial	Fun Bean Bird tutorial	Fun Bean Bird tutorial
		iOS file wireless share	iOS file wireless share	iOS file wireless share
		Magic remort control	Magic remort control	Magic remort control
	Convenience	TV tuner	TV tuner	TV tuner
		Optical	Optical	Optical
		USB contents & office file viewer	USB contents & office file viewer	USB contents & office file viewer
		Standard sized terminal	Standard sized terminal	Standard sized terminal
		Bracket ready	Bracket ready	Bracket ready