



REAL
8K

A small, gold-colored rectangular badge with the word 'REAL' in a smaller font above the word '8K' in a large, bold, black font.

OLED | NanoCell

CATALOGUE 2020

Global Awards 2020

Signature OLED ZX 8K



CES 2020
Innovation Awards
LG SIGNATURE OLED 8K TV 88ZX

tom's guide

"The most elegant wall-mountable designs we've ever seen."

LG Gallery OLED TV GX Series
2020-01-06

Gallery Design OLED GX

techradar

"The GX model is an impressive all-in-one set."

LG Gallery OLED TV GX Series
2020-01-08



"The GX has certainly set a mighty benchmark."
LG Gallery OLED TV 65GX
2020-04-22

OLED CX



"LG CX fully deserves our Highly Recommended Award."
LG OLED TV CX series
2020-03-24



"The best OLED TV for most people."
LG OLED TV 65CX
2020-05-26

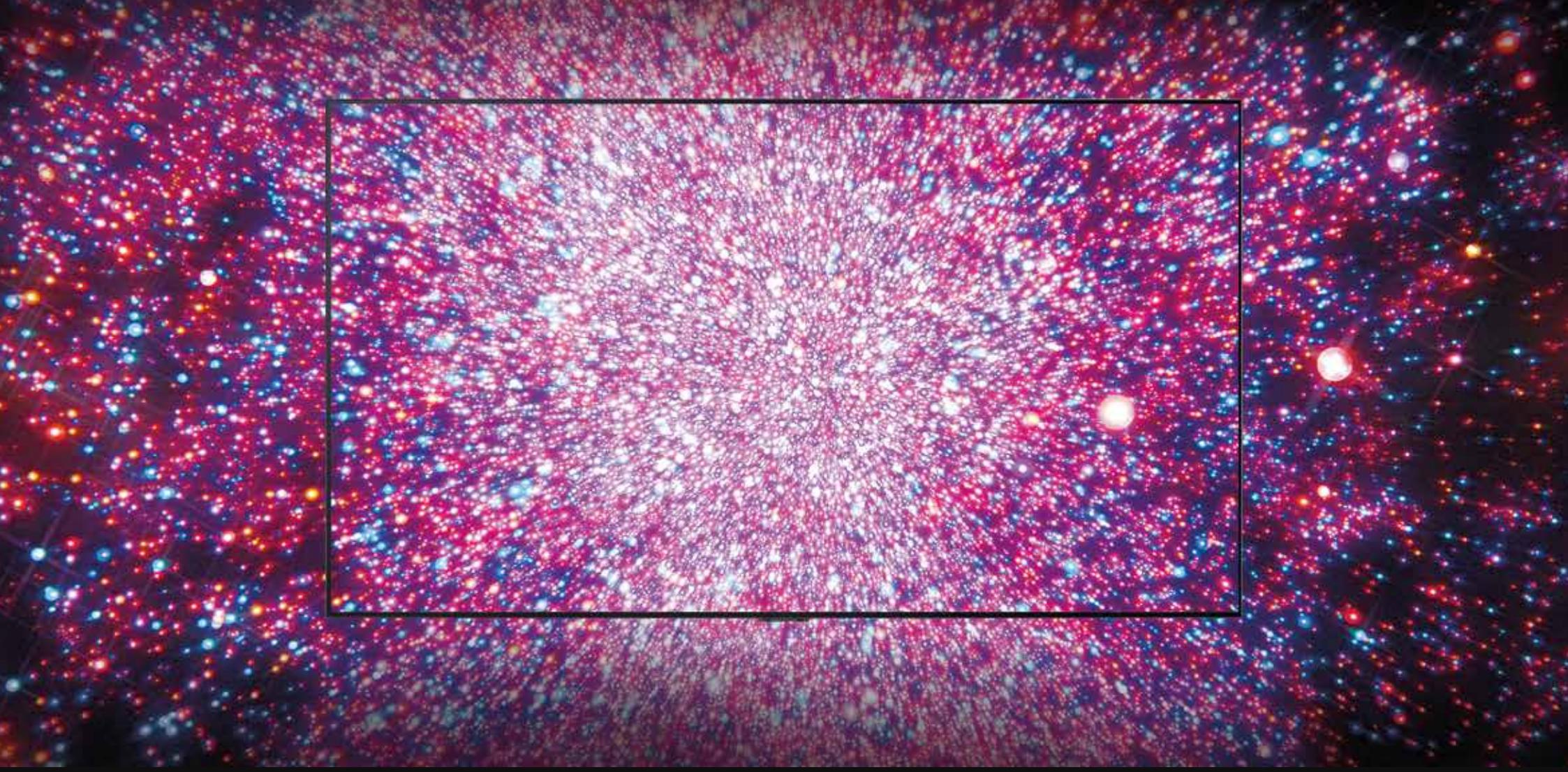
G-Sync Compatible OLED TV

tom's guide

"G-Sync on LG OLED TVs is a Total Game Changer."
G-Sync Compatible OLED TV
2019-09-23



"LG and Nvidia team up to create G-Sync gaming TVs – and they look awesome."
G-Sync Compatible OLED TV
2019-09-10



SELF-LIT OLED

SELF-LIT PiXELS take TV to a new level

LG OLED TV is unique. Thanks to its self-lit technology, 100 million self-lit sub-pixels* come together to deliver the next level of TV. Enjoy the deepest blacks, richest colors, and most realistic picture quality.

*Calculation based on multiplying 8K resolution (7680 x 4320) and four sub-pixels.

REAL
8K



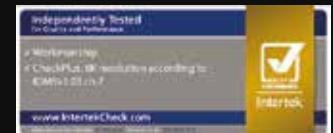
OLED 8K LG OLED powers REAL 8K

LG OLED 8K TVs exceed the strict requirements established by the Consumer Technology Association to define the new generation of 8K products. With over 100 million self-lit sub-pixels* on an ultra-large screen, LG OLED 8K TV delivers more detail than ever before.

*According to CTA, when defining 8K Resolution, a display should meet a minimum of 50% Contrast Modulation (CM). The higher the CM value, the clearer the image. With a CM level of more than 95%, LG OLED TVs deliver real 8K resolution, the highest in its class.

*Calculation based on multiplying 8K resolution (7680 x 4320) and four sub-pixels.

*Intertek logo is a registered trademark of Intertek Group plc. Intertek authentication only for 224cm (88) model and not an endorsement of LG. Any reliance on these results is at third party's own risk.





AI 8K Upscaling See it in brilliant 8K resolution

Using deep learning algorithm, LG OLED 8K transforms 2K or 4K content into the most life-like 8K picture by enhancing detail and definition. Enjoy much clearer text and images with reduced noise and enhanced sharpness.

*Screen images simulated.



Built-in Video Decoder More 8K videos in REAL 8K

With HEVC, AV1, and VP9 codec¹⁾ support, you can watch 8K YouTube videos as well as 8K videos from a USB storage device or streaming service²⁾

1) With AV1, you can watch the latest 8K videos on YouTube. Support for HEVC and VP9 provide coverage for other streaming services and local media playback.

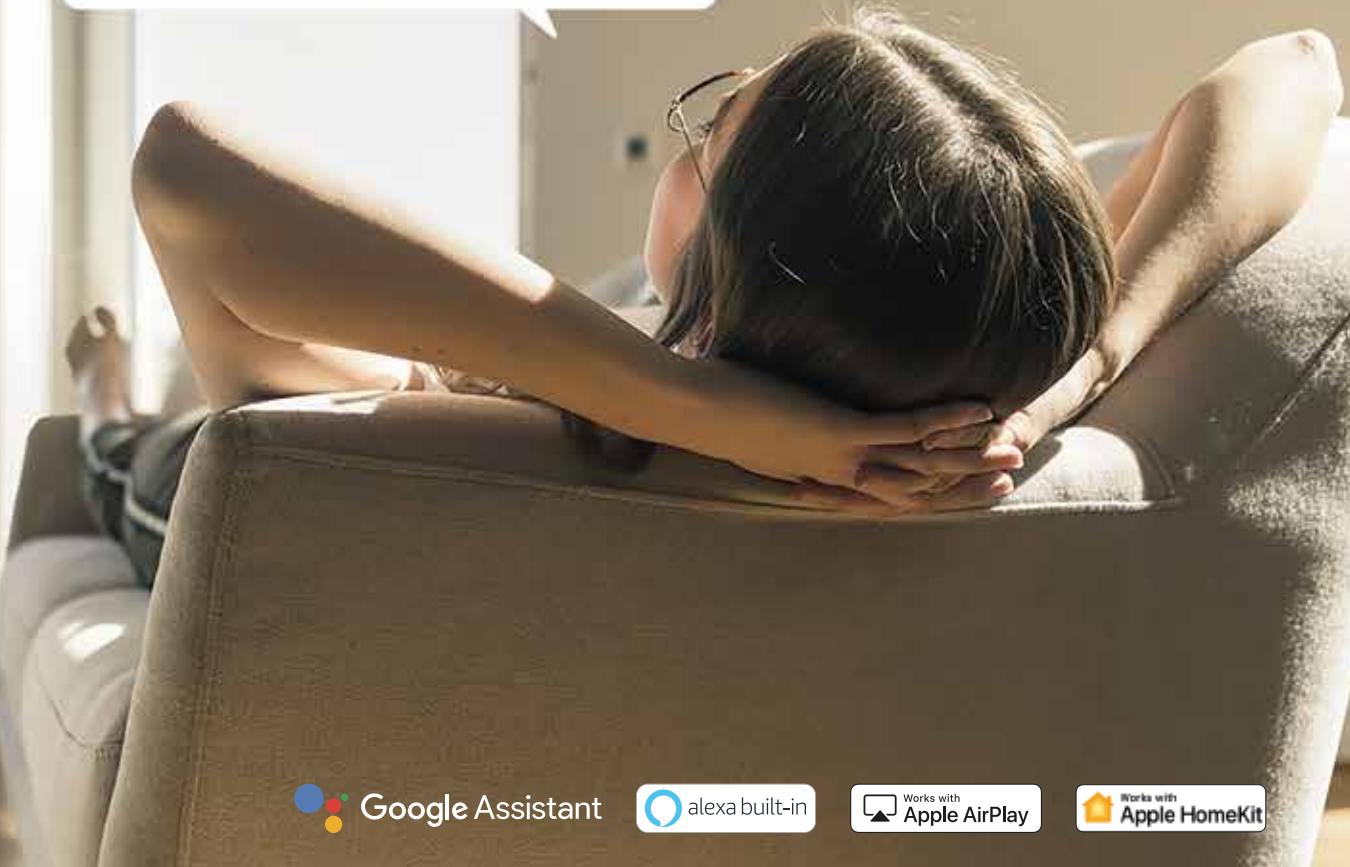
2) Streaming may require a software update after purchase. 8K content availability may vary depending on the service provider.

*8K playback requires a high-bandwidth internet connection.





"Hi LG, Play Bollywood Music Videos."



Google Assistant



alexa built-in



Works with
Apple AirPlay



Works with
Apple HomeKit

ThinQ AI TV takes a leap forward

Transform your TV into a central hub with the intelligent ThinQ AI. LG ThinQ allows simple command and control of your Home IoT ecosystem with natural voice recognition and there's no remote needed. Also, with the Google Assistant and Amazon Alexa built-in, LG OLED TV makes life so much more convenient.

Hands-free Voice Control
Just Say "Hi, LG"

*Hands-Free Voice Control available with GX Model Only.



The Google Assistant

Do more with your TV

Quickly find and play your favorite shows, get answers to things you want to know, and easily control your smart home devices.



Amazon Alexa Built-in

Just ask, Alexa does the rest

Speak to Alexa on your LG TV to play music, check weather, control smart home devices, and access more than 1,00,000 skills and more. Also check traffic updates, weather reports, alarms, with one voice command.



AirPlay 2

AirPlay lets you do it all

Effortlessly stream, share and mirror your favorite content from your iPhone, iPad or Mac. Play your favorites from the Apple TV app and other video apps, or view photos right on your LG ThinQ AI TV.



Home Dashboard

Your control board for everything connected

Keep everything connected in one place. Monitor and control your smart home devices directly from the LG ThinQ AI TV using the easy and intuitive Home Dashboard.



LG Routines

Streamline your morning and bedtime routines

Automate your smart home devices. A bedtime routine includes ThinQ AI turning off the lights, turning down the air conditioner, and locking the doors when you say "Good Night."



AI Recommendation

Get things you might like

Use simple voice requests to get recommendations on movies, TV shows, or channels based on your primary viewing pattern.

a9 Gen3 AI Processor 8K

A revolutionary TV experience

The 3rd generation a9 AI processor 8K analyzes the quality of the original content with deep-learning technology and optimizes output in accordance with your ambience. The best watching and listening experience with optimized picture and sound awaits.



Face Enhancing & Text Upscaling

Upgraded deep-learning technology makes faces appear more vivid, and on-screen text much sharper and clearer to read.



AI Picture Pro

The deep-learning algorithm recognizes content quality, and the 3rd generation a9 AI processor 8K removes noise and optimizes contrast and saturation. The result is crisp, higher quality visuals.



AI Sound Pro

By learning from more than 17 million sound data points, the processor identifies voices, effects, and frequencies so it can optimize sound according to the audio genre.



Adaptive Sound Control

Whatever you're watching, drama, sports, movies, news or music, the processor recognizes and optimizes the sound for that specific content type. Newsreaders' voices will be clearer, and movie sound effects will be more vivid.





Dolby Vision IQ & Dolby Atmos®

With Dolby Vision IQ, picture quality is intelligently enhanced according to content genre and lighting conditions. Dolby Atmos® delivers an immersive audio experience.



FILMMAKER MODE™

The processor automatically adjusts the picture, turning off motion smoothing for the full motion picture effect. Watch films with the creative intent and cinematic experience preserved.



*FILMMAKER MODE™ logo is a trademark of UHD Alliance, Inc.

True Cinema Experience
SELF-LIT PiXELS make
cinema more expressive



Unlimited Entertainment*

Find the latest movies, TV shows, documentaries, live sports and more on unlimited OTT Apps, right here in one place.



Ultimate Gaming Experience
SELF-LIT PiXELS make
games more responsive



Fast Response Time

With fast 1ms response time, get ready to play in full-force with reduced blurring and added clarity. Feel truly in-game with high-speed motion and gameplay.



G-Sync Compatible

LG OLED is the ultimate gaming TV as it offers industry-first NVIDIA G-SYNC compatible support. Thus, ensuring a gaming experience with minimum stutter, lag, and flicker.



HDMI 2.1

A higher frame rate, VRR, ALLM, and eARC with HDMI 2.1 support ensures smooth and synchronized graphics. LG OLED 8K TVs have been tested in accordance with the HDMI Compliance Test Specification (2.1d)²⁾.



HGIG Profile

HGIG delivers the gaming graphics best matched with the identified TV. With LG OLED, play from a wide selection that will show every game at its absolute best.

*Screen images simulated

**NVIDIA G-SYNC is compatible with RTX 20 and GTX 16 graphics cards

Older GPUs will not support G-SYNC compatibility

***Nvidia G-SYNC Logo shown in the creative belongs to respective trademark owner only. LG is not liable for same.

1) 4K@120Hz eARC (Enhanced Audio Return Channel), VRR (Variable Refresh Rate) and ALLM (Auto Low Latency Mode) with HDMI 2.1

2) Test Specification: 2.1d (with HDCP, FRL12G(8K60), CEC, ARC, eARC, 6G, HBR, 4K).

*Screen images simulated.



Complete Sports Experience
SELF-LIT PiXELS make
sports more realistic



Sports Alert

Sports Alert notifies you before, during, and after games and even when watching other content. Never miss out on the big plays from your favorite teams ever again.



OLED Motion

With OLED Motion feature, watch every quick and subtle movement of every player without the blur on your TV. With LG OLED, there's no need to worry about blur or flicker.



Bluetooth® Surround Ready

Connect any two Bluetooth® speakers to help create a surround sound effect. Become more immersed in the game and get the feeling of a live atmosphere.



Eye Comfort Display

Binge watch with less blue light and easier viewing. LG OLED TVs surpass standards for blue light, flicker, and high-quality imaging.



Eye Comfort Display (OLED)
www.tuv.com
ID 0235004971



Low Blue Light Display (OLED)
50% Below
Exempt Blue Light Risk Group Limit

*Screen images simulated.

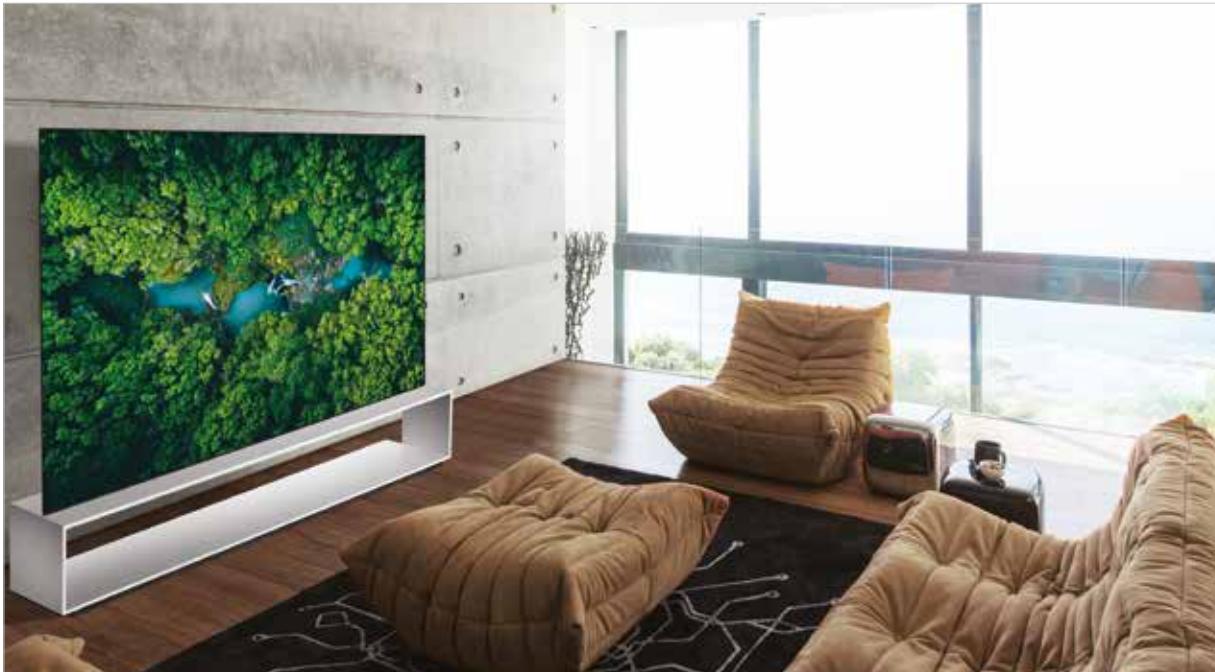
*Connection Available : LG PK7/7W/5/5W, PL7/5, PN7/5, RL3, RM2, RN9/7/5, ON9/7/5

*Connection Available : LG PK7/7W/5/5W, PL7/5, PN7/5, RL3, RM2, RN9/7/5, ON9/7/5
*Eye Comfort Display as certified by TUVRheinland. Low Blue Light Display Claim (OLED) as Verified by UL. Results are not an endorsement of LG Electronics. Any reliance on these results is at third party's own risk.



SELF-LIT OLED Makes life more artistic

Self-lit pixels take TV design to the next level. The all-new Gallery Design is a work of art, its minimalistic lines lend a touch of sophistication to your wall and space.



ZX | **REAL
8K**

224cm (88")



Display	Self-Lit Pixels
Resolution	8K (7680 x 4320 pixels)
Design	Sculpture Design 88"
AI Processor	a9 Gen3 AI Processor 8K (AI 8K Upscaling)
Picture Quality	AI Picture Pro, Perfect Black, Perfect Color
Sound Quality	AI Sound Pro, AI Acoustic Tuning
AI / Smart	AI ThinQ™, Google Assistant, Amazon Alexa, Apple Homekit and Airplay2, Hands-free Voice Control
Cinema	Dolby Vision IQ & Atmos, FILMMAKER MODE™
Game	G-Sync, FreeSync, HDMI 2.1, VRR, ALLM, HGIG Mode
Sports	Sports Alert, Bluetooth® Surround Sound, OLED Motion

*FreeSync will be available from H2 with a software update.

**4K@120Hz, eARC (Enhanced Audio Return Channel), VRR (Variable Refresh Rate) and ALLM (Auto Low Latency Mode) with HDMI 2.1

***Images and specifications of each product may vary by region, country or screen size.



GX

195cm (77") / 164cm (65")



Display	Self-Lit Pixels
Resolution	4K (3840 x 2160 pixels)
Design	Gallery Design
AI Processor	a9 Gen3 AI Processor 4K
Picture Quality	AI Picture Pro, Perfect Black, Perfect Color
Sound Quality	AI Sound Pro, AI Acoustic Tuning
AI / Smart	AI ThinQ™, Google Assistant, Amazon Alexa, Apple Homekit and Airplay2, Hands-free Voice Control
Cinema	Dolby Vision IQ & Atmos, FILMMAKER MODE™
Game	G-Sync, FreeSync, HDMI 2.1, VRR, ALLM, HGIG Mode
Sports	Sports Alert, Bluetooth® Surround Sound, OLED Motion

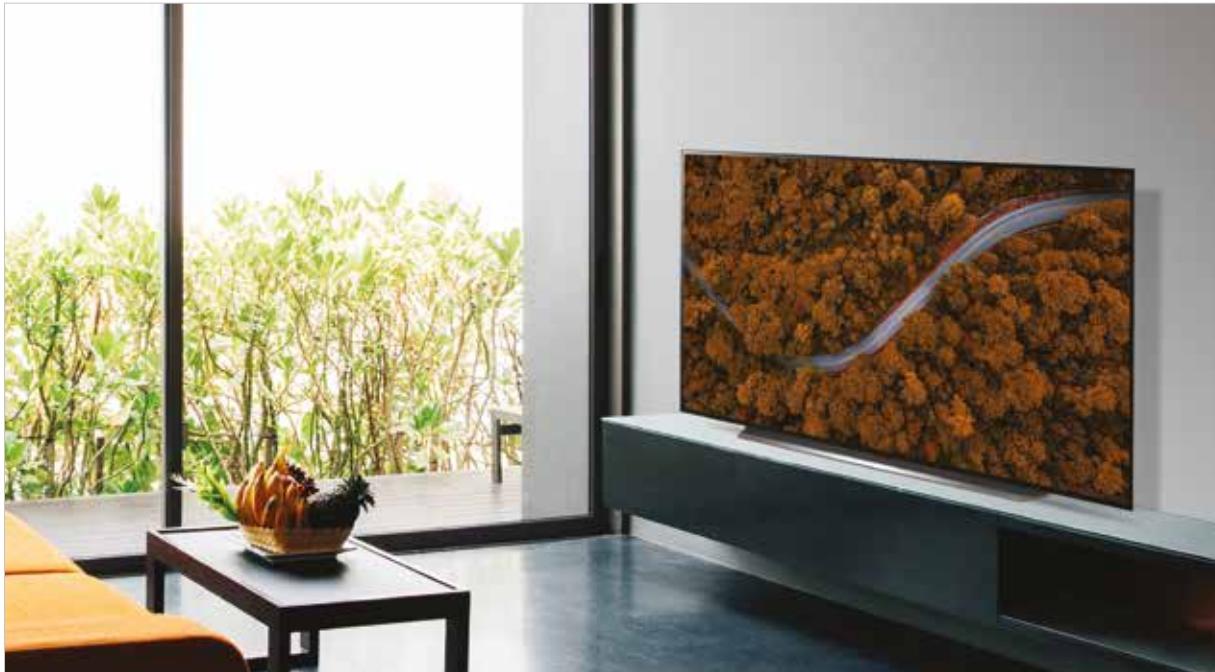
*FreeSync will be available from H2 with a software update.

**4K@120Hz, eARC (Enhanced Audio Return Channel), VRR (Variable Refresh Rate) and ALLM (Auto Low Latency Mode) with HDMI 2.1

***The cable may be visible depending on installation environment.

****Depending on installation environment, there may be a slight gap between the TV and the wall.

***Images and specifications of each product may vary by region, country or screen size.



CX

195cm (77) / 164cm (65)
139cm (55)



Display	Self-Lit Pixels
Resolution	4K (3840 x 2160 pixels)
AI Processor	α9 Gen3 AI Processor 4K
Picture Quality	AI Picture Pro, Perfect Black, Perfect Color
Sound Quality	AI Sound Pro, AI Acoustic Tuning
AI / Smart	AI ThinQ™, Google Assistant, Amazon Alexa, Apple Homekit and Airplay2
Cinema	Dolby Vision IQ & Atmos®, FILMMAKER MODE™
Game	G-Sync, FreeSync, HDMI 2.1, VRR, ALLM, HIGIG Mode
Sports	Sports Alert, Bluetooth® Surround Sound, OLED Motion

*FreeSync will be available from H2 with a software update.

*Images and specifications of each product may vary by region, country or screen size.

**TV stand is not included with standard packaging. Applicable for 164cm (65) & 139cm (55).

***Customers to choose between a wall mount bracket or a table top stand at the time of installation. Applicable for 164cm (65) & 139cm (55).



BX

164cm (65) / 139cm (55)



Display	Self-Lit Pixels
Resolution	4K (3840 x 2160 pixels)
AI Processor	α7 Gen3 AI Processor 4K
Picture Quality	AI Picture, Perfect Black, Perfect Color
Sound Quality	AI Sound, AI Acoustic Tuning
AI / Smart	AI ThinQ™, Google Assistant, Amazon Alexa, Apple Homekit and Airplay2
Cinema	Dolby Vision IQ & Atmos®, FILMMAKER MODE™
Game	G-Sync, FreeSync, HDMI 2.1, VRR, ALLM, HIGIG Mode
Sports	Sports Alert, Bluetooth® Surround Sound, OLED Motion

*FreeSync will be available from H2 with a software update.

*Images and specifications of each product may vary by region, country or screen size.

**TV stand is not included with standard packaging.

***Customers to choose between a wall mount bracket or a table top stand at the time of installation.



Pure Colors in REAL 8K

LG NanoCell AI ThinQ™ **REAL
8K**



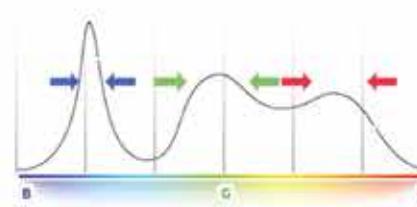
Pure Colors

NanoCell Technology applies nanoparticles that filter out dull colors and enhance the purity of the RGB spectrum.

Reveal Pure Colors
with NanoCell™ Display

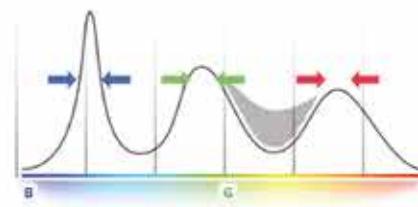
Conventional

RGB wavelength
with impure colors



LG NanoCell TV

Pure RGB wavelength
with impure colors removed

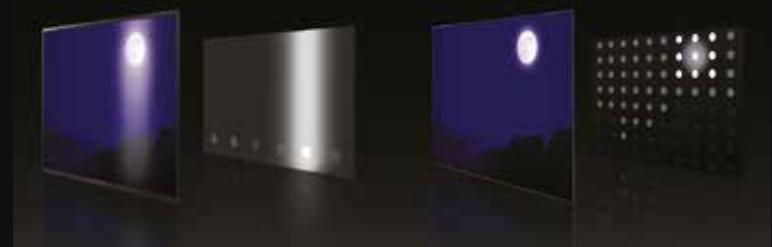


* CTA (Consumer Technology Association) : A standard and trade organization representing more than 2,200 consumer technology companies in the United States.
* CTA logo is given to the product that verifying compliance with the official industry definition's requirements.



Full Array Dimming

With Full Array Dimming, LG NanoCell TV controls the backlight units individually. With precise backlight control, it maximizes black level and ensures clear and crisp images with superb contrast.



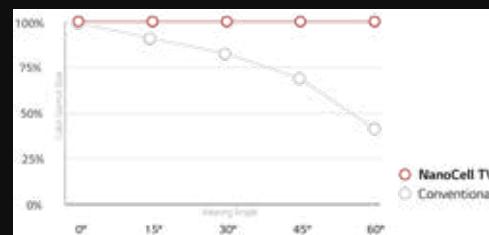
*Arrangement of Edge LED may vary by backlight structure.



Wide Viewing Angle Colors stay accurate

Unlike conventional TVs that may distort colors when a picture is viewed from the side, LG NanoCell TV precisely preserves color from both sides and the front viewing angles.

Color gamut size by viewing angle



*Conventional means TVs without in-plane switching technology

*The relative size of the color gamut set at 100% when viewed from the center (0 degree).

*The data is based on LG internal research.



AI 8K Upscaling Pure Colors complete the 8K large screen

The NanoCell TV delivers viewing experience like no other on a large screen. Pure Colors enhanced by NanoCell technology make spectacular images on an 8K scale.



Why REAL 8K?

To get the sense of realism from 8K, the actual number of pixels is important, but making each pixel appear separate and distinct to the eyes is more important. That's what LG NanoCell 8K presents – the 'REAL 8K'.



* According to CTA, when defining 8K Resolution, a display should meet a minimum of 50% Contrast Modulation (CM). The higher the CM value, the clearer the image. With a CM level of more than 95%, NanoCell TVs deliver REAL 8K resolution, the highest in its class.

* CTA (Consumer Technology Association) : A standard and trade organization representing more than 2,200 consumer technology companies in the United States.

* CTA logo is given to the product that verifying compliance with the official industry definition's requirements.

a7 Gen3 AI Processor 4K

Elevates your viewing experience

With deep learning algorithm, a7 Gen3 AI Processor 4K analyzes the on-screen content to deliver content at its most immersive. All adjustments are automatic, enhanced for the ultimate picture and sound, to make every viewing a spectacular one.



AI Picture

The 3rd generation a7 Intelligent Processor recognizes the quality of the original content and optimizes the clarity and sharpness by removing noise. The result is crisp, higher quality visuals.



AI Brightness Control

A light sensor measures the ambient light, then the processor finely adjusts tone mapping for optimal screen brightness. HDR content is refined with brightness adjustments that transform darker scenes into ones with stunning contrast, detail, and color depth.



AI Sound

The 3rd generation a7 Intelligent Processor optimizes sound by genre by analyzing audio sources depending on content type.



Adaptive Sound Control

Whatever you're watching, drama, sports, movies, news, or music, the processor recognizes it and optimizes the sound for that specific content type. Newsreaders' voices will be clearer, and movie sound effects will be more vivid.





PURE COLORS
Turn your home into
a movie theater



Dolby Vision IQ & Dolby Atmos®

Dolby Vision IQ enhances the movie watching experience by intelligently adjusting brightness, color and contrast according to genre and lighting conditions. With Dolby Atmos®, enjoy an immersive audio experience.

FILMMAKER MODE™

Enjoy all your content at the cinematic standard and feel the full artistic intent of every film.



FILMMAKER MODE™ *FILMMAKER MODE™ logo is a trademark of UHD Alliance, Inc.

Unlimited Entertainment

All OTT content from Netflix, Amazon Prime, Disney+, Hotstar, Apple TV etc. are at your fingertips. Find your favorite movies, TV shows, sports etc. all in one place.





PURE COLORS
Bring the battlefield
in front of you



Low Input Lag

NanoCell TV enables quick attack with minimum delay. It synchronizes your senses with real-time scenes in a fast-paced game with low input lag.

Flawless Drift with VRR

LG NanoCell TV has VRR support, the ultimate choice for your gaming setup. All console games will be clearer and smoother, with less lag and flicker.

HDMI 2.1

A higher frame rate, VRR, ALLM, and eARC support. HDMI 2.1 allows fast-moving content in higher resolution and smooth, synchronized graphics.

HGiG

HGiG recognizes TV performance of picture quality and tunes HDR graphics to provide the ultimate HDR gaming experience.



PURE COLORS
Create the real
stadium feel



Ultra Large Screen

With Nano Accuracy, the NanoCell TV delivers accurate color from any angle without distortion.

Sports Alert, Don't Miss the Shot

Now never miss out. Receive notifications of your favorite sports and teams before, during and after games, even if you're viewing other content.

Bluetooth® Surround Ready

NanoCell TV up-mixes 2.0 ch sound to richer virtual 4.0 sound and creates an immersive live-game atmosphere by connecting two Bluetooth® speakers.

Motion Pro

The Motion Pro feature catches every quick and subtle player movement without motion blur. With LG NanoCell, blurs and flickers are history.

*Supported service may differ by country.

*Connection with LG speakers is available now. Other brand speakers that do not comply with the specification may not be compatible.



Gallery Design, a piece of art

With a minimal gap wall-mount and Gallery Mode, LG NanoCell TV can hang on your wall like a piece of art, giving your space a more sophisticated look.



NANO99 | REAL 8K

190cm (75) / 164cm (65)



AI	AI ThinQ™, Google Assistant, Amazon Alexa, Apple Homekit and Airplay2, Hands-free Control
AI Processor	a9 Gen3 AI Processor 8K
Picture Quality	NanoCell™ Display / Full Array Dimming Pro / Wide Viewing Angle / AI Picture Pro
HDR	HLG Pro, HDR 10 Pro
Sound	AI Sound Pro, AI Acoustic Tuning
Cinema	Dolby Vision IQ & Atmos®, FILMMAKER MODE™, Cinema HDR
Game	HDMI 2.1, VRR, ALLM, HGIG Mode
Sports	Sports Alert, Bluetooth® Surround Sound, Motion Pro

*Images and specifications of each product may vary by region, country, or screen size.

*Certain 8K input/decoding standards may not be supported.

*An additional device may be necessary to support certain 8K standards.



NANO91

218cm (86) / 190cm (75) /
164cm (65) / 139cm (55)



AI	AI ThinQ™, Google Assistant, Amazon Alexa, Apple Homekit and Airplay2
AI Processor	a7 Gen3 AI Processor 4K
Picture Quality	NanoCell™ Display / Full Array Dimming / Wide Viewing Angle / AI Picture
HDR	HLG Pro, HDR 10 Pro
Sound	AI Sound, AI Acoustic Tuning
Cinema	Dolby Vision IQ & Atmos®, FILMMAKER MODE™, Cinema HDR
Game	HDMI 2.1, VRR, ALLM, HGIG Mode
Sports	Sports Alert, Bluetooth® Surround Sound, Motion Pro

*Images and specifications of each product may vary by region, country, or screen size.



NANO80

164cm (65) / 139cm (55) /
124cm (49)



AI	AI ThinQ™, Google Assistant, Amazon Alexa, Apple Homekit and Airplay2
Processor	Quad Core Processor
Picture Quality	NanoCell™ Display / Local Dimming / Wide Viewing Angle
HDR	Active HDR
Sound	ULTRA Surround Sound and AI Acoustic Tuning
Cinema	FILMMAKER MODE™
Game	HGIG Profile
Sports	Sports Alert, Bluetooth® Surround Sound

*Images and specifications of each product may vary by region, country, or screen size.

NANO86

164cm (65) / 139cm (55)



AI	AI ThinQ™, Google Assistant, Amazon Alexa, Apple Homekit and Airplay2
AI Processor	a7 Gen3 AI Processor 4K
Picture Quality	NanoCell™ Display / Local Dimming / Wide Viewing Angle / AI Picture
HDR	HLG Pro, HDR 10 Pro
Sound	AI Sound, AI Acoustic Tuning
Cinema	Dolby Vision IQ & Atmos®, FILMMAKER MODE™, Cinema HDR
Game	HDMI 2.1, VRR, ALLM, HGIG Mode
Sports	Sports Alert, Bluetooth® Surround Sound, Motion Pro

*Images and specifications of each product may vary by region, country, or screen size.

SM81

139cm (55)



AI	LG ThinQ™ AI / Built-in Google Assistant / Built-in Alexa / Apple AirPlay2
Processor	Quad Core Processor
Picture Quality	NanoCell™ Display / Wide Viewing Angle
HDR	4K Active HDR (HDR 10 Pro/HLG)
Sound	DTS Virtual: X

*Images and specifications of each product may vary by region, country, or screen size.

Movies Live Content SPORTS Music NEWS Reality Show TV Serial Music
Cartoon Games Comedy Shows History Discovery Live Content Live Content
SPORTS Live Content **Movies** NEWS **Comedy Shows** TV Serial **Reality Shows**



Movies Live Content SPORTS Music NEWS Reality Show TV Serial Music
Cartoon Games Comedy Shows History Discovery Live Content Live Content
SPORTS Live Content **Movies** NEWS **Comedy Shows** TV Serial **Reality Shows**

Unlimited Entertainment

Multiplex in your home

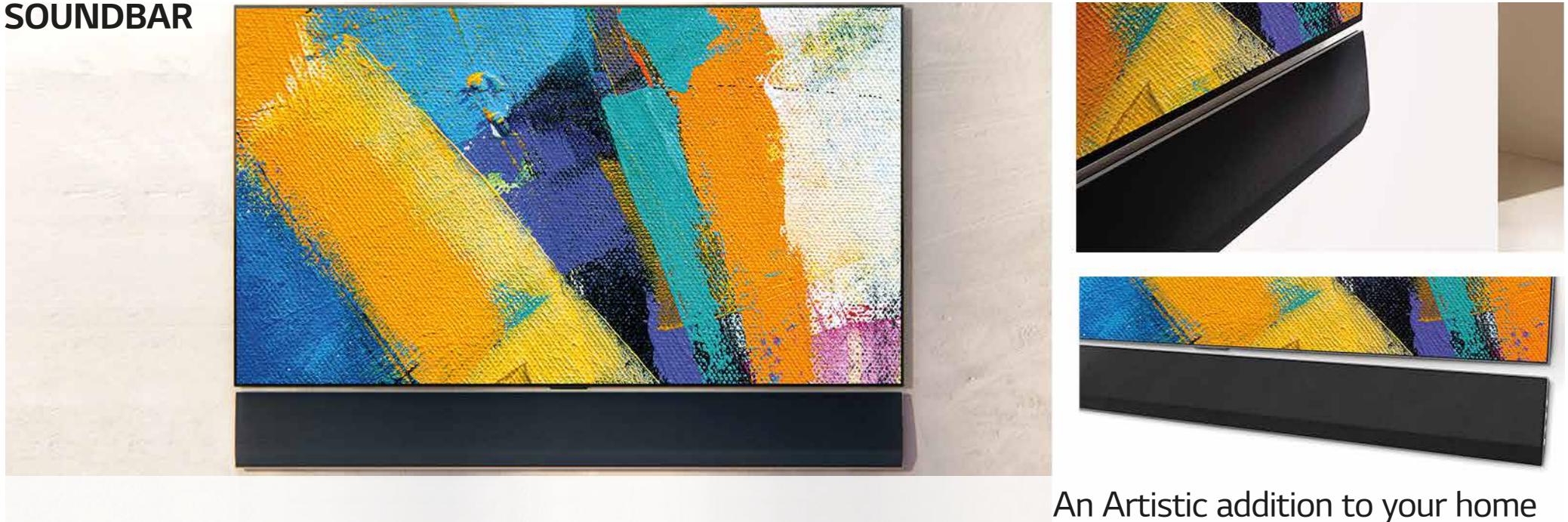
Get a wide variety of OTT content at your fingertips. Your favorite movies, TV shows, documentaries, live sports and more are now all in one place.



Dolby Vision IQ & Dolby Atmos®
Enjoy professionally mastered
visuals and sound



SOUNDBAR



An Artistic addition to your home



DOLBY
ATMOS



DOLBY
VISION IQ



GX Series

420W RMS Power Output with 3.1ch

Super Slim & Gap-Less Design

Dolby Atmos® / DTS: X

High Resolution Audio

HDR10

eARC

4K Pass through with Dolby Vision™ Support

AI Sound Pro



Meridian Technology for Exceptional Sound



SN10YG

570W RMS Power Output with 5.1.2ch

Dolby Atmos® / DTS: X

Meridian Audio

High Resolution Audio

Google Assistant

AI Room Calibration

HDR10

eARC

4K Pass through with Dolby Vision™ Support

AI Sound Pro



SN8YG

440W RMS Power Output with 3.1.2ch

Dolby Atmos® / DTS: X

Meridian Audio

High Resolution Audio

Google Assistant

AI Room Calibration

HDR10

eARC

4K Pass through with Dolby Vision™ Support

AI Sound Pro



SN6Y

420W RMS Power Output with 3.1ch

DTS Virtual: X

High Resolution Audio

ARC

AI Sound Pro

Wireless Subwoofer

HDMI In & Out

Bluetooth®

Optical In

OLED TV With ThinQ AI					
Product	Series	ZX	GX	CX	BX
	Size	88 (224Cm)	77 (195Cm) / 65 (164Cm)	77 (195Cm) / 65 (164Cm) / 55 (139Cm)	65 (164Cm) / 55 (139Cm)
Core Tech	Display / Resolution	8K OLED / 7680 x 4320	4K OLED / 3840 x 2160	4K OLED / 3840 x 2160	4K OLED / 3840 x 2160
	Dimming	Self-Lit Pixels	Self-Lit Pixels	Self-Lit Pixels	Self-Lit Pixels
	Viewing Angle	Perfect Viewing Angle	Perfect Viewing Angle	Perfect Viewing Angle	Perfect Viewing Angle
	Processor	a9 Gen3 AI Processor 8K	a9 Gen3 AI Processor 4K	a9 Gen3 AI Processor 4K	a7 Gen3 Processor 4K
	AI Picture	Pro	Pro	Pro	Y
	Face Enhancing & Text Upscaling	Y	Y	Y	Y
	Image Enhancing on SQM / Image Enhancing	Y	Y	Y	-/Y
	Auto Genre Selection	Y	Y	Y	Y
	AI Brightness Control	Y	Y	Y	Y
	AI Sound	Pro	Pro	Pro	Y
	Adaptive Sound Control	Y	Y	Y	Y
	AI Acoustic Tuning	Y	Y	Y	Y
AI Smart	AI ThinQ™	Y	Y	Y	Y
	Hands-free Voice Control	Y	Y	-	-
	Google Assistant (Built-in) / Amazon Alexa (Built-in) / Apple AirPlay2/ Homekit	Y	Y	Y	Y
	AI Home	Y	Y	Y	Y
	Home Dashboard / AI Recommendation / AI Launcher	Y	Y	Y	Y
	Conversational AI	Y	Y	Y	Y
	Magic Remote / Universal Control / Single Click Access	Y	Y	Y	Y
	360° VR	Y	Y	Y	Y
	Cloud Photos & Videos	Y	Y	Y	Y
	Unlimited Content (LG Store)	Y	Y	Y	Y
	Direct Keys (Apps)	Y	Y	Y	Y
	Art Gallery	Y	Y	Y	Y
	Web Browser	Y	Y	Y	Y
Cinema	Dolby Vision IQ & Atmos®	Y	Y	Y	Y
	FILMMAKER MODE™	Y	Y	Y	Y
	HDR 10 Pro & HLG Pro	Y	Y	Y	Y
	Upscaler	AI 8K	AI 4K	AI 4K	4K
Gaming	G-Sync Compatible	Y	Y	Y	Y
	HDMI 2.1	Y	Y	Y	Y
	HGIG Mode	Y	Y	Y	Y
	Instant Game Response (VRR/ ALLM)	Y	Y	Y	Y
Sports	Sports Alert	Y	Y	Y	Y
	Motion Pro	OLED	OLED	OLED	OLED
	Bluetooth® Surround Ready (2 Way BT)	Y	Y	Y	Y
Sound	Audio Output (rms)	88" 80W	60W	40W	40W
	Channel	4.2 Ch	4.2 Ch	2.2 Ch	2.2 Ch
	Dolby Atmos®	Y	Y	Y	Y
	Surround Sound	OLED Surround	OLED Surround	OLED Surround	OLED Surround
	Smart Speakers Compatible	Y	Y	Y	Y
	Wireless Sound (2 Way Bluetooth®)	Y	Y	Y	Y
	Music Player	Y	Y	Y	Y
	WiSA Speakers	Y	Y	Y	Y
Connectivity	HDMI / USB	4/3	4/3	4/3	4/3
	Optical Out	Y	Y	Y	Y
	Audio Return Channel (eARC)	HDMI 2	HDMI 2	HDMI 2	HDMI 3
	Mobile Connection Overlay	Y	Y	Y	Y
	USB to USB Copy	Y	Y	Y	Y
	Screen Share & Control	Y	Y	Y	Y
	Magic Mobile Connection	Y	Y	Y	Y
	Expandable Memory	Y	Y	Y	Y

Nano Cell TV With ThinQ AI

Product	Series	NANO99	NANO91	NANO86	NANO80	SM8100
	Size	75 (190Cm) / 65 (164Cm)	86 (218Cm) / 75 (190Cm) / 65 (164Cm) / 55 (139Cm)	65 (164Cm) / 55 (139Cm)	65 (164Cm) / 55 (139Cm) / 49 (124Cm)	55 (139Cm)
Core Tech	Display Resolution	8K NanoCell / 3840 x 2160	4K NanoCell / 3840 x 2160	4K NanoCell / 3840 x 2160	4K NanoCell / 3840 x 2160	4K NanoCell / 3840 x 2160
	Dimming	Full Array Dimming Pro	Full Array Dimming	Local Dimming	Local Dimming	Local Dimming
	Viewing Angle	Wide Viewing Angle	Wide Viewing Angle	Wide Viewing Angle	Wide Viewing Angle	Wide Viewing Angle
	Processor	a9 Gen3 AI Processor 8K	a7 Gen3 Processor 4K	a7 Gen3 Processor 4K	Quad Core Processor 4K	Quad Core Processor 4K
	AI Picture	Pro	Y	Y	-	-
	Face Enhancing & Text Upscaling	Y	-	-	-	-
	Image Enhancing on SQM / Image Enhancing	Y	-/Y	-/Y	-/Y	-/Y
	Auto Genre Selection	Y	Y	Y	-	-
	AI Brightness Control	Y	Y	Y	-	-
	AI Sound	Y	Y	Y	-	-
	Adaptive Sound Control	Y	Y	Y	-	-
	AI Acoustic Tuning	Y	Y	Y	Y	Y
AI Smart	AI ThinQ™	Y	Y	Y	Y	Y
	Hands-free Voice Control	Y	-	-	-	-
	Google Assistant (Built-in) / Amazon Alexa (Built-in) / Apple AirPlay2/ Homekit	Y	Y	Y	Y	Y
	AI Home	Y	Y	Y	Y	-
	Home Dashboard / AI Recommendation / AI Launcher	Y	Y	Y	Y	Y
	Conversational AI	Y	Y	Y	Y	Y
	Magic Remote / Universal Control / Single Click Access	Y	Y	Y	Y	Y
	360° VR	Y	Y	Y	Y	Y
	Cloud Photos & Videos	Y	Y	Y	Y	Y
	Unlimited Content (LG Store)	Y	Y	Y	Y	Y
	Direct Keys (Apps)	Y	Y	Y	Y	Y
	Art Gallery	Y	Y	Y	-	-
	Web Browser	Y	Y	Y	Y	Y
Cinema	Dolby Vision IQ & Atmos®	Y	Y	Y	-	-
	FILMMAKER MODE™	Y	Y	Y	Y	-
	HDR 10 Pro & HLG Pro	Y	Y	Y	Y	Y
	Upscaler	AI 8K	4K	4K	4K	4K
Gaming	G-Sync Compatible	-	-	-	-	-
	HDMI 2.1	Y	Y	Y	-	-
	HGIG Mode	Y	Y	Y	Y (MR)	-
	Instant Game Response (VRR/ ALLM)	Y	Y	Y	Y	-
Sports	Sports Alert	Y	Y	Y	Y	-
	Motion Pro	Y	Y	Y	-	-
	Bluetooth® Surround Ready (2 Way BT)	Y	Y	Y	Y	Y
Sound	Audio Output (rms)	60W	40W	20W	20W	20W
	Channel	4.2 Ch	2.2 Ch	2.0 Ch	2.0 Ch	2.0 Ch
	Dolby Atmos®	Y	Y	Y	-	-
	Surround Sound	ULTRA Surround	ULTRA Surround	ULTRA Surround	ULTRA Surround	DTS Virtual:X
	Smart Speakers Compatible	Y	Y	Y	Y	-
	Wireless Sound (2 Way Bluetooth®)	Y	Y	Y	Y	Y
	Music Player	Y	Y	Y	Y	Y
	WiSA Speakers	Y	Y	Y	-	-
Connectivity	HDMI / USB	4/3	4/3	4/3	4/2	4/2
	Optical Out	Y	Y	Y	Y	Y
	Audio Return Channel (eARC)	HDMI 2	HDMI 3	HDMI 3	HDMI 2	HDMI 2
	Mobile Connection Overlay	Y	Y	Y	-	-
	USB to USB Copy	Y	Y	Y	Y	Y
	Screen Share & Control	Y	Y	Y	Y	Y
	Magic Mobile Connection	Y	Y	Y	Y	Y
	Expandable Memory	Y	Y	Y	Y	Y

*SQM : Segmentation Quality Metric



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CIN No. U32107DL1997PTC220109

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