LG OLED evo AI G6S 4K Smart TV 2026



65" 55"

Next-Generation Picture Quality and Brightness Elevate your home entertainment with the 2026 LG OLED evo AI G6 4K Smart TV. Powered by the advanced alpha 11 AI Processor 4K Gen3, this TV features cutting-edge Hyper Radiant Colour Tech, delivering an astonishing 3.9x higher peak brightness for vivid highlights and details. Whether you are gaming or enjoying cinema, you are guaranteed a flawless experience with an ultra-fast 165Hz VRR, Reflection Free Premium display, and virtual 11.1.2 surround sound.

- Available Sizes: 55" and 65" (OLED55G6SUB, OLED65G6SUB)
- Processor: alpha 11 AI Processor 4K Gen3
- Display Engine: 4K OLED with Hyper Radiant Colour Tech (Up to 3.9x higher peak brightness)
- Anti-Glare: Reflection Free Premium for perfect blacks and accurate color in any light
- Gaming Features: Native 120Hz (Up to 165Hz VRR), <0.1ms response time, NVIDIA G-Sync & AMD FreeSync Compatible
- Smart TV: Award-winning webOS with Google Gemini, Microsoft Copilot, and LG Shield security
- Audio: 60W 4.2 Channel Speaker System with Dolby Atmos

A New Level of OLED Picture Quality Discover breathtaking visual fidelity with the 2026 LG OLED evo AI G6 4K Smart TV. Available in 55-inch and 65-inch models, this display pushes the boundaries of light and color. Through exclusive Hyper Radiant Colour Tech and the immense processing power of the alpha 11 AI Processor 4K Gen3, the G6 achieves up to 3.9 times higher peak brightness compared to conventional OLEDs. Combined with Perfect Black, Perfect Color, and a Reflection Free Premium coating, the G6 ensures deep contrast and vivid, accurate color in any lighting environment.

Intelligent Processing & Voice Control The alpha 11 AI Processor doesn't just enhance picture quality; it revolutionizes the entire user experience.

- Advanced Audio: Enjoy immersive sound with alpha 11 AI Sound Pro, creating a Virtual 11.1.2 up-mix. Clear Voice Pro (AI Object Remastering Ultra) ensures dialogue is always crisp and intelligible.
- Far Field Voice Recognition: The system allows you to control, search, and enjoy your TV entirely through your voice, totally hands-free.
- AI Magic Remote: Included in the box, the AI Magic Remote features a dedicated AI button to seamlessly unlock all AI-driven interactions, alongside an effortless scroll wheel.

The Ultimate Competitive Gaming Hub Dominate the competition with uncompromised speed and clarity. The LG G6 natively supports 120Hz, pushing up to 165Hz VRR in 4K. With an incredibly low response time of less than 0.1ms, Auto Low Latency Mode (ALLM), and compatibility with both NVIDIA G-Sync and AMD FreeSync, you are guaranteed a tear-free, winning gameplay experience. Fine-tune your session in real-time using the dedicated Game Dashboard & Optimizer.

Award-Winning webOS & Robust Security Navigate your entertainment with ease using LG's award-winning webOS--named Best Smart TV System (AVForums Editor's Choice). Powered by sophisticated AI tools like Google Gemini and Microsoft Copilot, your multi-AI search experience is heavily personalized and intelligent. Plus, with the webOS Re:New Program, your TV is eligible for upgrades for up to 5 years.

Your privacy and hardware are completely secure thanks to LG Quad Protection. This protects your TV from hardware level to software level: featuring Lightning Strikes Protection, Humidity Protection, Surge Protection, and webOS data protection secured by LG Shield.

Technical Specifications:

- Display Type: 4K OLED (3,840 x 2,160 Resolution)
- Sizes Available: 55", 65"
- Processor: alpha 11 AI Processor 4K Gen3
- Refresh Rate: 120Hz Native (Up to 165Hz VRR)
- HDR Support: Dolby Vision, HDR10, HLG
- Audio Output: 60W, 4.2 Channel Down-Firing Speakers with Dolby Atmos
- Connectivity: 4x HDMI Inputs (supports 4K 120Hz, eARC, VRR, ALLM), 3x USB 2.0, Wi-Fi 5, Bluetooth 5.3

Technical Specifications

PICTURE (DISPLAY)	
Backlight Type	OLED evo
Brightness Booster	Brightness Booster Ultra
Display Resolution	4K UHD
Display Screen Size	55", 65"
Display Type	OLED evo
Immersive Design	Flush-Fit Gallery Design
Perfect Black	Yes
Refresh Rate	120Hz Native
Stand Type Included	Table Stand
Wide Colour Gamut	Perfect Colour

PICTURE (PROCESSING)	
4K Expression Enhancer	Yes
AI Brightness Control	Yes
AI Genre Selection	Yes (SDR/HDR)
AI Picture Pro	Yes
AI Upscaling	alpha 11 AI Super Upscaling 4K
Auto Calibration	Yes
AV1 (Video Decoder)	4K@60p, 10bit
CPUs	Quad
Dimming Technology	Pixel Dimming
Dynamic Tone Mapping	Dynamic Tone Mapping Ultra
FILMMAKER MODE	Yes

PICTURE (PROCESSING) (cont.)	
HDR Expression Enhancer	Yes
HDR (High Dynamic Range)	Dolby Vision, HDR10, HLG
HEVC	4K@120p, 10bit
HFR (High Frame Rate)	4K 120 fps (HDMI, USB)
Motion	OLED Motion
Picture Mode	9 modes (Vivid, Standard, Eco, Cinema, Sports, Game, Filmmaker, ISF Expert Bright Room, ISF Expert Dark Room.)
Picture Processor	alpha 11 AI Processor 4K Gen3
QMS (Quick Media Switching)	Yes
VP9 (Video Decoder)	4K@60p, 10bit

GAMING	
ALLM (Auto Low Latency Mode)	Yes
Dolby Vision for Gaming	Yes
FreeSync Compatible (AMD)	Yes
G-Sync Compatible (Nvidia)	Yes
Game Optimizer	Yes (Game Dashboard)
HGIG Mode	Yes
Response Time	Less than 0.1ms
VRR (Variable Refresh Rate)	Up to 165Hz

SMART TV	
AI Agent	Yes

SMART TV (cont.)	
AI Chatbot	Yes
AI Concierge	Yes
AI Recommendation	Yes
Always Ready	Yes
App Store	Yes (App)
Full Web Browser	Yes
Google Home / Hub	Yes
Hands-free Voice Control	Yes
Home	Yes
Home Hub	Yes (LG ThinQ)
Home Office	Yes
Intelligent Voice Recog.	Yes
LG Channels	Yes
Multi View	Yes
Music Service	Yes
Operating System (OS)	webOS 26
Smartphone Remote App	Yes (LG ThinQ)
Sports	Yes
Tips	Yes
Usage Care	Yes
USB Camera Compatible	Yes
Works with Apple Airplay	Yes

*Product specifications are subject to change without notice. Visit www.lg.com/ca_en for the most current information.

Technical Specifications (cont.)

SMART TV (cont.)	
Works with Apple Home	Yes
Works with Hey Google	Yes
Works with Naver Clova	No
AUDIO	
AI Acoustic Tuning	Yes
AI Sound	alpha 11 AI Sound Pro (Virtual 11.1.2 Up-mix)
Audio Codec	AC4, AC3(Dolby Digital), EAC3, HE-AAC, AAC, MP2, MP3, PCM, WMA, apt-X (Refer to manual)
Audio Output	60W
Bluetooth Surround Ready	Yes (1 Way Playback)
Clear Voice Pro	Yes (AI Object Remastering Ultra)
Dolby Atmos	Yes
LG Sound Sync	Yes
Simultaneous Audio Output	Yes
Sound Mode Share	Yes
Speaker Direction	Down Firing
Speaker System	4.2 channel
Woofer / per Channel Output	WF : 20W, 10W per Channel
WOW Orchestra	Yes
BROADCASTING	
AD (Audio Description)	Yes
Analog TV Reception	Yes
[ATSC] Closed Caption	Yes
CI + (Common Interface)	No
Data Broadcasting	No
Digital TV Reception	ATSC1.0 (Terrestrial), QAM (Cable)
[DVB] Subtitle	No

BROADCASTING (cont.)	
EPG (8days)	Yes
Multi Tuner	No
Teletext Page	No
Teletext (Top/Flof/List)	No
CONNECTIVITY	
Bluetooth Support	v 5.3
CI Slot	No
Ethernet Input	1ea
HDMI Audio Return Channel	eARC (HDMI 2)
HDMI Input	HDMI 2.1 - 4ea (supports 4K 120Hz, eARC, VRR, ALLM, QMS, QFT (4 port))
Headphone output	No
IR Blaster	Yes
Line out	No
Optical Digital Audio Out	1ea
RF Input (Antenna/Cable)	1ea
RS-232C Input (Min Jack)	Yes
Simplink (HDMI CEC)	Yes
USB Input	3ea (v 2.0)
Wi-Fi	Wi-Fi 5
ACCESSIBILITY	
Gray Scale	Yes
High Contrast	Yes
POWER	
Energy saving Mode	Yes
Energy Standard	Yes
ENERGY STAR® Qualified	Yes

POWER (cont.)	
Illuminance Green sensor	Yes
Power Supply (Voltage, Hz)	AC 120V, 50/60Hz
Standby Power Consumption	Under 0.5W
ACCESSORIES INCLUDED	
Power Cable	Yes (Attached)
Remote	AI Magic Remote MR26
ADDITIONAL FEATURE	
AI Magic Remote Control	Built-In
Content Partners English	Apple Music, Apple TV, CBC GEM, Crave, Disney+, LG Channels, Netflix, Paramount+, Prime Video, Spotify, Telus TV+, TSN, Youtube
Content Partners French	Apple Music, Apple TV, Crave, Disney+, Helix TV, ICI TOU.TV, LG Channels, Netflix, Paramount+, Prime Video, RDS, Spotify, Youtube
DAFC (Dolby Atmos FlexConnect)	Yes
Digital Recording	No
Gemini	Yes
Hyper Radiant Colour	Yes
Invert Colours	Yes
OSD Language	4 language (webOS) (/English/Espanol/Français)
QFT (Quick Frame Transport)	Yes
Reflection Free	Yes (Reflection Free Premium)
Time Shift	No

Dimensions (W x H x D), Weights & Power

Size	Packaging WxHxD	w/ Stand WxHxD	w/o Stand WxHxD	Stand WxD	Pkg Wt lbs	w/ Stand lbs	w/o Stand lbs	VESA mm	Typical Power W	Yearly Energy kWh
65"	63.0" x 38.2" x 6.8"	56.7" x 34 / 35.8" x 10.4"	56.7" x 32.5" x 1.0"	19.1"	75.2 lbs	60.2 lbs	48.5 lbs	300x300	--	--
55"	53.5" x 31.9" x 6.8"	48.1" x 29.2/30.9" x 10.4"	48.1" x 27.7" x 1.1"	19.1"	59.7 lbs	48.7 lbs	37 lbs	300x200	--	--





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