



86 inch LG Micro RGB evo AI MRGB96 4K Smart TV 2026

86MRGB96BSA

Key Features

- Next-level colour with Micro RGB Technology, powered by micro-sized LEDs.
- Certified for Triple 100% Colour Gamut Area Ratio across BT.2020, DCI-P3 and Adobe RGB colour spaces.^
- Thousands of dimming zones controlled by the advanced alpha 11 AI Processor Gen3 deliver exceptional contrast and clarity.
- Immersive movies and gaming with Dolby Vision & Dolby Atmos, up to 165Hz VRR & AMD FreeSync Premium®.^ ^
- Award-winning webOS with Google Gemini, Microsoft Copilot, Google Cast & Apple AirPlay.†
- Security updates received until 31 December 2030.



 Ask LG anything

Why choose LG Micro RGB evo?

Best Micro RGB evo for me

Micro RGB evo buying tips

All Spec

PICTURE (DISPLAY)

Wide Colour Gamut

Backlight Type
Micro RGB

Display Resolution
4K Ultra HD (3,840 x 2,160)

Display Type
4K Micro RGB

RGB Primary Color Ultra
(Triple 100% Color certified)

Refresh Rate
120Hz Native (VRR 165Hz)

PICTURE (PROCESSING)

Picture Mode 9 modes	AI Upscaling Alpha 11 AI Super Upscaling 4K	Dynamic Tone Mapping Yes (Dynamic Tone Mapping Ultra)	FILMMAKER MODE™ Yes
HDR (High Dynamic Range) Dolby Vision / HDR10 / HLG	HFR (High Frame Rate) 4K 120 fps (HDMI, USB)	Motion Motion Pro	Dimming Technology Micro Dimming Ultra
Picture Processor Alpha 11 AI Processor 4K Gen3 with Dual AI Engine	QFT (Quick Frame Transport) Yes	QMS (Quick Media Switching) Yes	Auto Calibration Yes
Auto Brightness Control Yes	AI Picture Pro Yes	AI HDR Remastering Yes	AI Genre Selection Yes (SDR/HDR)

GAMING

VRR (Variable Refresh Rate) Yes (Up to 165Hz)	ALLM (Auto Low Latency Mode) Yes	Motion Booster Motion Booster 330	HGIG Mode Yes
Game Optimiser Yes (Game Dashboard)	FreeSync Compatible (AMD) Yes	Dolby Vision for Gaming (4K 120Hz) Yes	

SMART TV

USB Camera Compatible Yes	Works with Apple Airplay Yes	Operating System (OS) webOS 26	My Page Yes
Multi View Yes	LG Shield Yes	LG Channels Yes	Intelligent Voice Recognition Yes
Home Hub	Hands-free Voice Control	Works with Apple Home	Smartphone Remote App

Yes (Google Home, LG ThinQ)	Yes	Yes	Yes (LG ThinQ)
Google Cast Yes	Full Web Browser Yes	Always Ready Yes	AI Voice ID Yes
AI Magic Remote Built-In	AI Chatbot Yes		

AUDIO

Audio Codec AC4, AC3(Dolby Digital), EAC3, HE-AAC, AAC, MP2, MP3, PCM, apt-X (Refer to manual)	Sound Mode Share Yes	Adaptive Acoustic Tuning Yes	AI Sound Alpha 11 AI Sound Pro (Virtual 11.1.2 Up-mix)
Audio Output 40W	Clear Voice Pro Yes	Dolby Atmos Yes	LG Sound Sync Yes
Simultaneous Audio Output Yes	Speaker Direction Down Firing	Speaker System 2.2 Channel	WOW Orchestra Yes

CONNECTIVITY

SPDIF (Optical Digital Audio Out) 1ea	HDMI Input 4ea (supports 4K 120Hz, eARC, VRR, ALLM, QMS, QFT)	HDMI Audio Return Channel eARC (HDMI 2)	Ethernet Input 1ea
Bluetooth Support Yes (v 5.3)	Simplink (HDMI CEC) Yes	USB Input 2ea (v 2.0)	Wi-Fi Yes (Wi-Fi 6)
RF Input (Antenna/Cable) 1ea			

ACCESSIBILITY

Invert Colours Yes	Grey Scale Yes	High Contrast Yes
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POWER

Standby Power Consumption	Power Supply (Voltage, Hz)
Under 0.5W	AC 100~240V 50-60Hz

ACCESSORIES INCLUDED

Power Cable	Remote
Yes (Attached)	AI Magic Remote MR26

REGULATORY

Warranty Period	Energy Star Rating
Definable Spec Only in LG.COM	Definable Spec Only in LG.COM

BROADCASTING

Digital TV Reception	Analog TV Reception
DVB-T2/T (Terrestrial), DVB-C (Cable)	Yes

CYBER SECURITY

Security Update
Definable Spec Only in LG.COM

DIMENSIONS AND WEIGHTS

VESA Mounting (WxH, mm)	Packaging Weight (kg)	TV Weight with Stand (kg)	TV Weight without Stand (kg)
600 x 400	73.5	59.3	56.1
TV Stand (WxD, mm)	TV Dimensions with Stand (WxHxD, mm)	TV Dimensions without Stand (WxHxD, mm)	Packaging Dimensions (WxHxD, mm)
395 x 390	1925 x 1185 x 390	1925 x 1105 x 46.1	2116 x 1215 x 285

COMPLIANCE INFORMATION

Australia Cyber Security SoC(86MRGB9
6BSA)

MORE COMPLIANCE INFORMATION >

- The safety information for accessories is included with the safety information for the product and is not provided separately.