77 inch Wallpaper TV LG OLED evo AI W6 True Wireless 4K Smart TV 2026

OLED77W6PSA



Key Features

- 9mm-range Wallpaper Design for spatial aesthetics
- World's first 4K 165Hz True Wireless technology for visually lossless picture quality
- Hyper Radiant Color Tech, a next-gen OLED technology for a new level of picture quality
- X3.9 higher peak brightness with alpha 11 AI Processor Gen3, for vivid highlights and detail
- Perfect Black and Perfect Color with Reflection Free Premium ensures deeper contrast and vivid, accurate color in any light

All specs

ACCESSIBILITY

Gray Scale	High Contrast	Invert Colors

Yes | Yes | Yes

AUDIO

AI Sound
Alpha 11 AI Sound Pro (Virtual 11.1.2 Up-mix)

Adaptive Acoustic Tuning
Yes

AI Object Remastering
Yes (AI Object Remastering Ultra)

Audio Codec
AC4, AC3(Dolby Digital), EAC3, HE-AAC, AAC, MP2, MP3, PCM, apt-X (Refer to manual)

Audio Output
60W

Clear Voice Pro
Yes

Dolby Atmos
Yes

LG Sound Sync
Yes

Simultaneous Audio Output
Yes

Sound Mode Share
Yes

Speaker Direction
Down Firing

Speaker System
4.2 Channel

WOW Orchestra
Yes

CONNECTIVITY

Bluetooth Support
Yes (v 5.3)

Ethernet Input
1ea

HDMI Audio Return Channel
eARC (HDMI 3)

HDMI Input
4ea (supports 4K 120Hz, eARC, VRR, ALLM, QMS, QFT)

RF Input (Antenna/Cable)
2ea

Simplink (HDMI CEC)
Yes

SPDIF (Optical Digital Audio Out)
1ea

USB Input
2ea (v 2.0)

Wireless Transmission	Wi-Fi
Yes (Zero Connect Technology)	Yes (Wi-Fi 6)

DIMENSIONS AND WEIGHTS

Packaging Dimensions (WxHxD, mm)	Packaging Weight (kg)	TV Dimensions without Stand (WxHxD, mm)	TV Dimensions with Stand (WxHxD, mm)
1888 x 1180 x 195	33.1	1713 x 988 x 9.95	- x - x -
TV Stand (WxD, mm)	**TV Weight without Stand (kg)**	**VESA Mounting (WxH, mm)**	
- x -	20.2	- x -	

PICTURE (PROCESSING)

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

Alpha 11 AI Processor 4K Gen3 with Dual AI Engine

QMS (Quick Media Switching)

Yes

Reflection Free

Yes (Reflection Free Premium)

GAMING

Game Optimizer

Yes (Game Dashboard)

ALLM (Auto Low Latency Mode)

Yes

Dolby Vision for Gaming (4K 120Hz)

Yes

FreeSync Compatible (AMD)

Yes

G-Sync Compatible (Nvidia)

Yes

HGIG Mode

Yes

Response Time

Less than 0.1ms

VRR (Variable Refresh Rate)

Yes (Up to 165Hz)

POWER

Power Supply (Voltage, Hz)

AC 100~240V 50-60Hz

Standby Power Consumption

Under 0.5W

ACCESSORIES INCLUDED

Remote

AI Magic Remote MR26

Power Cable

Head - Yes (Attached) / Zero Connect Box -

Zero Connect Box

Yes

Adaptor
(Detachable)

BROADCASTING

Analog TV Reception

Yes

Digital TV Reception

DVB-T2/T (Terrestrial), DVB-C (Cable) / ISDB-T (Terrestrial, only Philippines)

PICTURE (DISPLAY)

Display Resolution

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

Display Type

4K OLED

Refresh Rate

120Hz Native (VRR 165Hz)

Wide Color Gamut

Perfect Color

SMART TV

AI Chatbot

Yes

AI Magic Remote

Built-In

AI Picture/Sound Wizard

Yes

AI Voice ID

Yes

Always Ready

Yes

Full Web Browser

Yes

Google Cast

Yes

Hands-free Voice Control

Yes

Home Hub

Yes (Google Home, LG ThinQ)

Intelligent Voice Recognition

Yes

LG Channels

Yes

LG Gallery+

Yes (Paid service availability varies by

country)

LG Shield	Multi View	My Page	Operating System (OS)
Yes	Yes	Yes	webOS 26
Smartphone Remote App	USB Camera Compatible	Works with Apple Airplay	Works with Apple Home
Yes (LG ThinQ)	Yes	Yes	Yes