

55 Inch LG OLED AI B6 4K Smart TV 2026

OLED55B6PSA

Features Specs Reviews Support Where to buy

- AI enhanced picture and sound powered by the alpha 8 AI Processor Gen3.
- Perfect Black & True Colour for deep contrast and brilliant colours, even in bright rooms.
- An immersive cinema experience with Dolby Vision & Dolby Atmos.**
- Advanced gameplay with up to 144Hz VRR, NVIDIA G-Sync & AMD FreeSync Premium®.^
- Award-winning webOS with Google Gemini, Microsoft Copilot, Google Cast & Apple AirPlay.^
- Security updates received until 31 December 2030.



🚚 Free Delivery Shipment start date will be from 6 Apr 2026 in order

This product is currently on Preorder.

All Spec

PICTURE (DISPLAY)

Display Type	Display Resolution	Refresh Rate
4K OLED	4K Ultra HD (3,840 x 2,160)	120Hz Native (VRR 144Hz)

PICTURE (PROCESSING)

Picture Processor	AI Upscaling	Dynamic Tone Mapping	AI Genre Selection
α8 AI Processor 4K Gen3	α8 AI Super Upscaling 4K	Yes (Dynamic Tone Mapping Pro)	Yes (SDR/HDR)
HDR (High Dynamic Range)	FILMMAKER MODE™	Dimming Technology	Motion
Dolby Vision / HDR10 / HLG	Yes	Pixel Dimming	OLED Motion
Picture Mode	HFR (High Frame Rate)	AI HDR Remastering	AI Picture Pro
9 modes	4K 120 fps (HDMI)	Yes	Yes
Auto Brightness Control	Auto Calibration	QFT (Quick Frame Transport)	QMS (Quick Media Switching)
Yes	Yes	Yes	Yes

GAMING

G-Sync Compatible (Nvidia)	FreeSync Compatible (AMD)	HGIG Mode	Game Optimiser
Yes	Yes	Yes	Yes (Game Dashboard)
ALLM (Auto Low Latency Mode)	VRR (Variable Refresh Rate)	Dolby Vision for Gaming (4K 120Hz)	Response Time
Yes	Yes (Up to 144Hz)	Yes	Less than 0.1ms

ACCESSIBILITY

High Contrast	Grey Scale	Invert Colours
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Yes

Yes

Yes

DIMENSIONS AND WEIGHTS

Features	Specs	Reviews	Support	Where to buy	
TV Dimensions without Stand (WxHxD, mm)	1228 x 708 x 45.9	TV Dimensions with Stand (WxHxD, mm)	1228 x 776 x 218	Packaging Dimensions (WxHxD, mm)	1360 x 810 x 172
TV Weight without Stand (kg)	14.3	TV Weight with Stand (kg)	14.5	Packaging Weight (kg)	19.5
				VESA Mounting (WxH, mm)	300 x 200

BAR CODE

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8806096685679

AUDIO

Dolby Atmos	AI Sound	Clear Voice Pro	LG Sound Sync
Yes	α8 AI Sound Pro (Virtual 11.1.2 Up-mix)	Yes (AI Object Remastering Pro)	Yes
Sound Mode Share	Simultaneous Audio Output	Audio Output	Adaptive Acoustic Tuning
Yes	Yes	20W	Yes
Audio Codec	Speaker Direction	Speaker System	WOW Orchestra
AC4, AC3(Dolby Digital), EAC3, HE-AAC, AAC, MP2, MP3, PCM, apt-X (Refer to manual)	Down Firing	2.0 Channel	Yes

CONNECTIVITY

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

SMART TV

Operating System (OS)	USB Camera Compatible	AI Chatbot	AI Magic Remote
webOS 26	Yes	Yes	Built-In
AI Voice ID	Always Ready	Full Web Browser	Google Cast
Yes	Yes	Yes	Yes
Home Hub	Intelligent Voice Recognition	LG Channels	LG Shield
Yes (Google Home, LG ThinQ)	Yes	Yes	Yes
Multi View	My Page	Smartphone Remote App	Works with Apple Airplay
Yes	Yes	Yes (LG ThinQ)	Yes
Works with Apple Home			
Yes			

POWER

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

REGULATORY

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ACCESSORIES INCLUDED

Remote	Power Cable
AI Magic Remote MR26	Yes (Attached)

BROADCASTING

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

CYBER SECURITY

Security Update

This product will receive security updates until 31 December 2030. For details on how to report security issues, visit <https://lgsecurity.lge.com>.

COMPLIANCE INFORMATION



[Australia Cyber Security SoC\(OLED55B6PSA\)](#)



MORE COMPLIANCE INFORMATION >

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