



LG NanoCell AI 55NANO81A6A 139.7 cm (55") 4K Ultra HD Smart TV Wi-Fi Black

Brand : LG

Product family: NanoCell AI

Product code:
55NANO81A6A.AEU

Product name : 55NANO81A6A



LG NanoCell AI 55NANO81A6A. Display diagonal: 139.7 cm (55"), Display resolution: 3840 x 2160 pixels, HD type: 4K Ultra HD, Display technology: NanoCell, Screen shape: Flat, LED backlighting type: Direct-LED. Smart TV. Native aspect ratio: 16:9. Digital signal format system: DVB-S, DVB-S2, DVB-T, DVB-T2. Wi-Fi, Ethernet LAN. Product colour: Black

Display		Ports & interfaces	
Display diagonal *	139.7 cm (55")	USB 2.0 ports quantity *	2
HD type *	4K Ultra HD	Digital audio optical out	1
Display technology *	NanoCell	RF ports quantity	2
LED backlighting type	Direct-LED	Common interface (CI) *	✓
Screen shape *	Flat	Common interface Plus (CI+) *	✓
Native aspect ratio *	16:9	Common interface Plus (CI+) version	1.4
Native refresh rate	60 Hz	HDMI ports quantity *	3
Display resolution *	3840 x 2160 pixels	Consumer Electronics Control (CEC)	SimpLink
Display diagonal (metric)	139 cm		
TV tuner		Management features	
Tuner type *	Analog & digital	Voice guide	✓
Digital signal format system *	DVB-S, DVB-S2, DVB-T, DVB-T2	Electronic Programme Guide (EPG)	✓
Smart TV		Programming period	8 day(s)
Smart TV *	✓	On Screen Display (OSD)	✓
Internet TV *	✓	Number of OSD languages	38
Operating system installed *	WebOS	Picture-in-Picture	✗
Operating system version	25	Hotel mode	✗
Apple AirPlay 2 support	✓	Basic hotel mode	✓
Built-in Chromecast	✓	Works with Amazon Alexa	✓
Audio		Works with the Google Assistant	✓
Number of speakers *	2	Works with Samsung Bixby	✗
RMS rated power *	20 W	Works with Apple Siri	✓
Audio output channels	2.0 channels		
Built-in subwoofer	✗	Power	
Audio decoders	Dolby Digital	Power consumption (standby) *	0.5 W
Sound modes	AI Sound Pro, Clear Voice Pro	Energy efficiency class (SDR) *	G
Enhanced Audio Return Channel (eARC)	✓	Energy efficiency class (HDR) *	G
Network		Energy consumption (SDR) per 1000 hours *	81 kWh
Wi-Fi *	✓	Energy consumption (HDR) per 1000 hours *	121 kWh
Wi-Fi standards	Wi-Fi 5 (802.11ac)	AC input voltage	100-240 V
Bluetooth *	✓	AC input frequency	50/60 Hz
Bluetooth version	5.1	Energy saving mode	✓
Ethernet LAN *	✓	Energy efficiency scale	A to F
Bluetooth profiles	A2DP	Brand-specific features	
Web browser	✓	AI Acoustic Tuning, AI Sound Pro, AI Super Upscaling 4K, Bluetooth Surround Ready, LG Sound Sync, ThinQ™, WOW Orchestra	
Design		LG technologies (AV/TV)	
Product colour *	Black		

Design		Weight & dimensions	
VESA mounting *	✓	Width (with stand)	1235 mm
Panel mounting interface	400 x 400 mm	Depth (with stand)	260 mm
Frameless design	✓	Height (with stand)	787 mm
Introduction year	2025	Weight (with stand)	15.4 kg
Performance		Width (without stand)	1235 mm
High Dynamic Range (HDR) technology	Dynamic Tone Mapping, Filmmaker Mode, High Dynamic Range 10 (HDR10), Hybrid Log-Gamma (HLG)	Depth (without stand)	57.5 mm
Game mode	✓	Height (without stand)	715 mm
Teletext function	✓	Weight (without stand)	14 kg
Subtitles function	✓	Stand width	81.9 cm
Video formats supported	AV1, HEVC/H.265, VP9	Stand depth	26 cm
Picture processor	α7 Gen8 AI Processor 4K	Packaging data	
High Dynamic Range (HDR) supported *	✓	Package width	1360 mm
Processor cores	4	Package depth	207 mm
Game features	Auto Low Latency Mode (ALLM), Game Optimizer, HGiG, Variable Refresh Rate (VRR)	Package height	810 mm
4K Ultra HD upscaling	✓	Package weight	20.3 kg
Multi View	✓	Packaging content	
Smartphone/tablet remote support	✓	Desktop stand	✓
USB recording	✗	Cables included	AC
DVD player	✗	Remote control included	✓
Ports & interfaces		Soundbar included	✗
HDMI version	2.1	Other features	
Audio Return Channel (ARC)	✓	Digital Living Network Alliance (DLNA) certified	✓
PC in (D-Sub) *	✗	Warranty period	2 year(s)
Ethernet LAN (RJ-45) ports	1		



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Catalog Object Cloud



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