

49SM8600PUA

49" SM86 LG NanoCell TV

- NanoCell Technology
- LG α7 Gen 2 Intelligent Processor
- LG ThinQ® AI
- webOS™ 4.5
- Dolby Vision™ & Dolby Atmos®



DESCRIPTION

The NanoCell Display ensures a picture with better quality in an LED TV. Nano Accuracy keeps everything lifelike, and Nano Colour delivers a spectrum of colour. LG's powerful processor enriches your content. Dimming control helps light levels. Dolby integrates picture and sound technologies. And the intelligence of LG ThinQ® and the voice control of the Google Assistant* and Alexa** are built-in.

*Service limited to certain languages. Some features require 3rd party service subscriptions.
 **Available via firmware update later in 2019.

KEY FEATURES

NanoCell Technology

Vibrant Nano Colour and detailed crisp images, made possible by the display's nanometer-sized particles. With Nano Accuracy, images are vivid and lifelike.

α7 Gen 2 Intelligent Processor

This innovative processor is at the centre of intelligent enhancement of images, action and colour. A powerful processor empowered by AI at its core.

LG ThinQ® AI

LG NanoCell ThinQ AI TV listens, thinks and answers to provide the ultimate personalized entertainment and control over your smart home.

webOS™ 4.5

Easy, fun, intuitive. Discover the magic of smart home voice control and personalized content recommendations on LG's award-winning interface.

*Internet connection required.

Dolby Vision™ & Dolby Atmos®

Advanced image and sound technologies for a spectacular, more lifelike experience in every scene. Amazing realism that you'll see, hear and feel.

*Dolby Vision is a trademark of Dolby Laboratories.
 Dolby, Dolby Atmos and the double-D symbol are registered trademarks of Dolby Laboratories.

SPECIFICATIONS

PICTURE (PANEL)

Display Type	NanoCell Display
Display Resolution	4K Ultra HD (3,840 x 2,160)
Wide Viewing Angle	Yes (IPS Technology)
Backlight Type	Edge
Backlight Dimming Technology	Local Dimming

PICTURE (PROCESSING)

Picture Processor	α7 Gen 2 Intelligent Processor
Refresh Rate	TruMotion 240 (Native 120Hz)
HDR (High Dynamic Range)	4K Cinema HDR (Dolby Vision®, HDR10, HLG) HDR Dynamic Tone Mapping Pro
Contrast	Object Depth Enhancer Ultra Luminance
Clarity	Quad Step Noise Reduction Frequency Based Sharpness Enhancer
Colour	Nano Colour Nano Accuracy Billion Rich Colours* Advanced Colour Enhancer
Resolution Upscaler	4K Upscaler

AI TV (ARTIFICIAL INTELLIGENCE)

LG ThinQ® AI	Yes
Google Assistant	Yes
Alexa Built-In	Yes (Available via firmware update)
Google Home Compatible	Yes (Google Home device sold separately)
Amazon Alexa Compatible	Yes (Amazon Alexa device sold separately)
Intelligent Voice Recognition	Yes

SMART TV

Operating System	webOS
Magic Remote Control	Yes (Point, Click, Scroll, Voice)
Universal Remote Control	Yes (Auto Device Detection)
LG Content Store (App Store)	Yes
Full Web Browser	Yes

AUDIO

Speaker System	2.0 Channel
Output Power	20W
Dolby Atmos	Yes
WiSA Ready	Yes (Separate Dongle Purchase Required)
DTS Decoder	DTS-HD
Bluetooth Audio Playback	Yes
LG Sound Sync	Yes

CONNECTIVITY

Wi-Fi® Standard	Wi-Fi Certified 802.11ac
Bluetooth® Support	Version 5.0
IP Control	Yes
HDMI-CEC (Simplink)	Yes
TV Tuner	ATSC, Clear QAM
Smart Phone Connectivity	Yes



INPUTS & OUTPUTS

HDMI Input (HDCP 2.2)	4 (2 rear, 2 side)
HDMI Audio Return Channel (ARC)	ARC (HDMI 2)
USB Ports (v 2.0)	3 (2 rear, 1 side)
RF Connection Input (Antenna/Cable)	1 (rear)
Composite Input (AV)	1 (rear)
Ethernet Input	1 (rear)
RS-232C Input (Mini Jack)	1 (rear)
Digital Audio Output (Optical)	1 (rear)

POWER

Power Supply (Voltage, Hz)	AC 120V, 50/60Hz
Standby Power Consumption	Under 0.5W
Power Consumption	66.7W
Annual Power Consumption	124Wh/y

DIMENSIONS/WEIGHTS/UPC

TV Dimensions with Stand (WxHxD)	1096 x 710 x 263.1mm / 43.1" x 28" x 10.4"
TV Dimensions without Stand (WxHxD)	1096 x 640 x 63.6mm / 43.1" x 25.2" x 2.5"
Packaging Dimensions (WxHxD)	1192 x 810 x 162mm / 46.9" x 31.9" x 6.4"
Stand Width	841mm / 33.1"
TV Weight with Stand	15.5kg / 34.2 lbs
TV Weight without Stand	14.0kg / 30.9 lbs
Packaging Weight	18.4kg / 40.6 lbs
VESA Mounting (W x H)	200mm x 200mm
UPC	719192630451

ACCESSORIES INCLUDED

Remote Magic Remote	Included
Remote Control Battery	Yes
Power Cable	Yes
Quick Start Guide	Yes
E-Manual	Yes

WARRANTY

Limited Warranty	1 Year Parts & Labour
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*Billion Rich Colours is achieved through 10 bit dithering.

