

86QNED90UPA

LG QNED90 86" 4K Smart QNED MiniLED TV

- QNED MiniLED Display
- Quantum Dot NanoCell Colour Technology
- MiniLED
- 120Hz Native Refresh Rate
- Full Array Dimming Pro



DESCRIPTION

Our Ultimate LCD TV

Synergy in light and colour and smooth action of 120Hz refresh rate. QNED MiniLED ushers in revolutionary brightness and contrast with MiniLED in tandem with the maximum colour of Quantum NanoCell Colour Technology. MiniLED technology uses smaller LEDs to maximize precise luminance, a higher level of contrast for more brilliant colours and deeper blacks* due to increased dimming zones. Coupled with slim design, and our α7 Gen4 AI Processor 4K to optimize every scene.

*Compared to previous LG model.

KEY FEATURES

QNED MiniLED Display

The LG Quantum Dot NanoCell display combines NanoCell and MiniLED technology for brilliantly bright colours and a higher contrast ratio for deeper blacks*.

*Compared to previous LG model.

Quantum Dot NanoCell Colour Technology

A colour innovation that needs to be seen. Two colour technologies - Quantum Dot and NanoCell Plus - combine to deliver a more stunning picture with richer, more accurate colours*.

*Compared to previous LG model.

MiniLED

New MiniLED technology is a giant leap forward in LCD TV. MiniLED technology uses smaller LEDs to maximize precise luminance, a higher level of contrast and deeper blacks due to increased dimming zones.

120Hz Native Refresh Rate

LG TVs are great for watching your favourite sports or playing your favourite games, thanks to a 120Hz native refresh rate.

Full Array Dimming Pro

Catch every detail. Full Array Dimming Pro's unique dimming zones deliver precise backlight control and an ultra-high contrast ratio for deeper blacks and more vivid colours* for an impeccable picture.

*Compared to previous LG model.

SPECIFICATIONS

PICTURE (PANEL)

Display Type	Real 4K QNED Display
Display Resolution	3840 x 2160
Dimming Technology	Full Array Dimming Pro

PICTURE (PROCESSING)

Picture Processor	α7 Gen4 AI Processor 4K
HDR (High Dynamic Range)	Cinema HDR (Dolby Vision™, HDR10, HLG) HDR Dynamic Tone Mapping Dolby Vision™ IQ
Contrast	Advanced Contrast Enhancer Face Enhancing Ultra Luminance Pro
Clarity	Double Step Noise Reduction Sharpness Enhancer
Colour	Billion Rich Colours Advanced Colour Enhancer True Colour Accuracy
Resolution Upscaler	AI Upscaler
Motion	Motion Pro
Filmmaker Mode™	Yes

GAMING

Game Optimizer	Yes
G-Sync Compatible	No
FreeSync™	Yes
VRR (Variable Refresh Rate)	Yes
ALLM (Auto Low Latency Mode)	Yes
HGiG	Yes

AI TV (ARTIFICIAL INTELLIGENCE)

LG ThinQ® AI	Yes
Google Home Compatibility	Yes (Google Home device sold separately)
Amazon Alexa Compatibility	Yes (Amazon Alexa device sold separately)
Google Assistant Built-in	Yes
Amazon Alexa Built-in	Yes
Apple AirPlay 2 / HomeKit Compatibility	Yes
Intelligent Voice Recognition	Yes
Home Dashboard	Yes
AI Picture Pro / AI Picture	AI Picture Pro
Auto Genre Selection	Yes (Dolby HDR)

SMART TV

Operating System	webOS® 6.0
LG Channels	Yes
LG Content Store (App Store)	Yes
Full Web Browser	Yes
Gallery Mode	Yes
Sports Alert	Yes

AUDIO

Speaker System	2.2 ch
Output Power	40W (WF:20W, 10W per Channel)
Speaker Direction	Down Firing
AI Sound Pro / AI Sound	AI Sound Pro
Dolby Atmos®	Yes
WiSA Ready	Yes (5.1 ch) (Separate dongle purchase required)
Audio Codec	AC4, AC3(Dolby Digital), EAC3, HE-AAC, AAC, MP2, MP3, PCM, WMA, apt-X
Bluetooth Surround Ready	
LG Sound Sync	Yes

CONNECTIVITY

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

INPUTS & OUTPUTS

HDMI Input	4 (side)
HDMI Audio Return Channel (ARC)	eARC (HDMI 3)
USB Ports (v 2.0)	2 (Rear) / 1 (Side)
Composite Input (AV)	No
Ethernet Input	Yes
RS-232C Input (Mini Jack)	Yes (Rear)
Digital Audio Output (Optical)	Yes

POWER

Power Supply (Voltage, Hz)	AC 120 V- 50/60 Hz
Standby Power Consumption	Under 0.5W

DIMENSIONS/WEIGHTS/UPC

TV Dimensions with Stand (WxHxD)	1917 x 1164 x 359 mm / 75.47" x 45.83" x 14.1"
TV Dimensions without Stand (WxHxD)	1917 x 1098 x 29.9 mm / 75.47" x 43.23" x 1.18"
Packaging Dimensions (WxHxD)	2115 x 1215 x 228 mm / 83.27" x 47.83" x 8.98"
Stand Dimension (WxD)	1446 x 359 mm / 56.93" x 14.1"
TV Weight with Stand	51.3 kg / 113.1 lbs
TV Weight without Stand	50.3 kg / 110.89 lbs
Packaging Weight	64.3 kg / 141.76 lbs
VESA Mounting (W x H)	600 x 400
UPC	195174012406

ACCESSORIES INCLUDED

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

WARRANTY

Limited Warranty	1 Year Parts & Labour
Model Year	2021

