LG QNED Mini-LED TV

LG
Life's Good

QNED90UPA Series
LG QNED MINI-LED TV QNED90

| 86" | 75" | 65" |

* Class size: See below for details.

- **QNED Mini-LED Display**
- **Quantum Dot NanoCell Color Technology**
- **Mini-LED Backlight**
- **120Hz Native Refresh Rate**

DESCRIPTION

Our Ultimate LCD TV.
Synergy in light and color and smooth action of 120Hz refresh rate. QNED Mini-LED ushers in revolutionary brightness and contrast with miniLED in tandem with the maximum color of Quantum NanoCell Color Technology. Smaller LEDs maximize precise luminance, a higher level of contrast for more brilliant colors and deeper blacks due to increased dimming zones. Coupled with slim design, and our a7 Gen4 AI Processor 4K to optimize every scene.

KEY FEATURES

QNED Mini-LED Display

Discover vivid resolution.
The LG Quantum Dot NanoCell display combines NanoCell and miniLED technology for brilliantly bright colors and a higher contrast ratio for deeper blacks.

Quantum Dot NanoCell Color Technology

Marvel at stunning color.
A color innovation that needs to be seen. Two color technologies – Quantum Dot and NanoCell Plus – combine to deliver a more stunning picture with richer, more accurate colors.

Mini-LED Backlight

Mini makes a big difference.
New MiniLED technology is a giant leap forward in LCD TV. Tiny LEDs offer a more detailed control, a brighter picture and an ultra-high contrast ratio for smooth, life-like images that seem to jump out of the screen and into your room.

120Hz Native Refresh Rate

Don't miss the action.
LG TVs are great for watching your favorite sports or playing your favorite games thanks to a 120Hz native refresh rate – the highest native rate for 4K.

Full Array Dimming Pro

See new depths of color.
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 colors for an impeccable picture.

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SPECIFICATIONS

PICTURE (PANEL)

Display Type	Real 4K Quantum Dot NanoCell Display
Display Resolution	4K Ultra HD (3,840 x 2,160)
Wide Viewing Angle	Yes (IPS Technology)
Backlight Type	Mini-LED
Backlight Dimming Technology	Full Array Dimming Pro
Quantum Dot NanoCell Technology	Yes
Billion Rich Colors	Yes
100% Color Consistency	Yes

PICTURE (PROCESSING)

Picture Processor	α7 Gen 4 AI Processor 4K
AI Picture	Yes
Auto Genre Selection	Yes (Dolby HDR Only)
Upscaling	AI 4K Upscaling
Refresh Rate	120Hz Native
Motion	-

SOUND (PROCESSING)

AI Sound	Yes
TV Sound Mode Share	Yes
Bluetooth Surround Ready	Yes

HOME CINEMA

HDR	Cinema HDR (Dolby Vision, HDR10, HLG)
Dolby Vision IQ	Yes
Filmmaker Mode	Yes
Magic Explorer	Yes
Next Picks	Yes

GAMING

Game Optimizer	Yes
G-SYNC Compatible	-
FreeSync Premium™	Yes
VRR (Variable Refresh Rate)	Yes
ALLM (Auto Low Latency Mode)	Yes
HGiG	Yes

SMART TV

Operating System	webOS
Content Partners	Netflix, Prime Video, Disney+, Apple TV, Hulu, Paramount+, Peacock, Youtube TV, Spotify, iHeartRadio and more
LG Content Store (App Store)	Yes
Full Web Browser	Yes
LG Channels	Yes
Sports Alert	Yes
Gallery Mode	Yes
Who.Where.What?	Yes
Home Dashboard	Yes
"Works With"	Hey Google, Alexa, Apple Airplay2 and Homekit (Separate device purchase necessary)

AI TV (ARTIFICIAL INTELLIGENCE)

LG ThinQ® AI	Yes
Hands-free Voice Control	-
Magic Remote Control	Yes (Point, Click, Scroll, Voice)
Universal Remote Control	Yes (Auto Device Detection)
Voice Assistants	Google Assistant Built-in and Alexa Built-in (No separate device purchase necessary)
Intelligent Voice Recognition	Yes

AUDIO

Speaker System	2.2 Channel
Output Power	40W
Speaker Direction	Down Firing
Dolby Atmos	Yes
WiSA Ready	Yes (Separate Dongle Purchase Required) *Up to 2.1 Channel
Audio Codec	AC4, AC3(Dolby Digital), EAC3, HE-AAC, AAC, MP2, MP3, PCM, WMA, apt-X (Refer to manual)
LG Sound Sync	Yes

CONNECTIVITY

NEXTGEN TV (ATSC 3.0)	-
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(Side)
Latest HDMI (4K @ 120Hz)	HDMI ports 1,2,3,4
HDMI Audio Return Channel (ARC)	eARC (HDMI 3)
USB Ports (v 2.0)	2 (Rear) / 1 (Side)
RF Connection Input (Antenna/Cable)	1 (Rear, RF)
AV Input	-
Ethernet Input	1 (Rear)
RS-232C Input (Mini Jack)	1 (Rear)
Digital Audio Output (Optical)	1 (Side)
Headphone Out	-

POWER

Power Supply (Voltage, Hz)	AC 100~240V 50-60Hz
Standby Power Consumption	Under 0.5W
Typical Power Consumption	86": TBD 75" : TBD 65" : TBD
Max Power Consumption	86": TBD 75" : TBD 65" : TBD
Annual Power Consumption	86": TBD 75" : TBD 65" : TBD

86QNED90UPA (85.6" DIAGONAL) DIMENSIONS/WEIGHTS/UPC

TV Dimensions with Stand (WxHxD)	75.5" x 45.7" x 14.1"
TV Dimensions without Stand (WxHxD)	75.5" x 43.2" x 1.2"
Packaging Dimensions (WxHxD)	83.3" x 47.8" x 9"
Stand Width	57"
TV Weight with Stand	113.1 lbs
TV Weight without Stand	110.9 lbs
Packaging Weight	141.8 lbs
VESA Mounting (W x H)	600 x 400
UPC	195174012413

75QNED90UPA (74.5" DIAGONAL) DIMENSIONS/WEIGHTS/UPC

TV Dimensions with Stand (WxHxD)	65.6" x 40.2" x 14.1"
TV Dimensions without Stand (WxHxD)	65.6" x 37.7" x 1.1"
Packaging Dimensions (WxHxD)	71.7" x 43.9" x 7.9"
Stand Width	55.1"
TV Weight with Stand	81.6 lbs
TV Weight without Stand	79.4 lbs
Packaging Weight	103.4 lbs
VESA Mounting (W x H)	400 x 400
UPC	195174012352

65QNED90UPA (64.5" DIAGONAL) DIMENSIONS/WEIGHTS/UPC

TV Dimensions with Stand (WxHxD)	56.9" x 35.4" x 11.5"
TV Dimensions without Stand (WxHxD)	56.9" x 32.6" x 1.1"
Packaging Dimensions (WxHxD)	65.7" x 42.1" x 8"
Stand Width	47.8"
TV Weight with Stand	58.6 lbs
TV Weight without Stand	57.8 lbs
Packaging Weight	81.4 lbs
VESA Mounting (W x H)	400 x 400
UPC	195174012277

ACCESSORIES INCLUDED

Remote	Magic Remote
Remote Control Battery	Yes (AA)
Power Cable	Yes
Quick Start Guide	Yes
E-Manual	Yes

WARRANTY

Limited Warranty	1 Year Parts & Labor