

# 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.

## 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)<br>*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 &amp; 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<br>75": TBD<br>65": TBD |
| Max Power Consumption      | 86": TBD<br>75": TBD<br>65": TBD |
| Annual Power Consumption   | 86": TBD<br>75": TBD<br>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                | TBD                   |
| TV Weight without Stand             | TBD                   |
| Packaging Weight                    | TBD                   |
| 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 |
|------------------|----------------------|