

# QNED90T Series

## QNED90 QNED Mini LED

86" | 75" | 65"

\* Class size: See below for details.

- QNED Contrast
- Quantum Dot NanoCell Color Technology
- MiniLED Backlighting with Precision Dimming
- Home Theater Experience with Dolby Vision, Filmmaker Modes and Dolby Atmos®
- α8 AI Processor
- Advanced Gameplay

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### DESCRIPTION

#### Radiant color, refined with AI

Experience vivid, luminous colors and deep blacks with LG QNED's combination of quantum dot and NanoCell technology illuminated by Mini LEDs for an exhilarating watching experience.

### KEY FEATURES

#### QNED Contrast

##### Brighter Colors

TV entertainment never looked better thanks to our Mini LED technology, for incredibly bright colors you can feel. Hundreds of miniature LED backlight zones operate independently, for movies with excellent dark-level detail and deep blacks, while minimizing halo effects.

#### α8 AI Processor

##### Refined picture, powered by AI

No more fiddling with picture settings. The α8 AI Processor 4K with AI Picture Pro identifies the type of content you're watching to automatically select the ideal setting and fine-tune the picture for the best watching experience and with Multi View with 2 screens lets you split your screen into two unique views so you can watch even more than before.

\*Multi View may display 1-HDMI input, screen share, or select apps.

#### webOS 24 & LG Channels

##### A galaxy of entertainment at your fingertips

No matter which TV you choose, your LG TV makes it easier than ever to find what you need and more. Browse all your favorite streaming apps and let LG Channels connects you to 300+ free channels of sports, fitness, cooking and more.\*

\*Internet connection and subscriptions to streaming services are required; number of LG Channels subject to change.

#### Quantum Dot NanoCell Color Technology

##### Sensational color

Only LG Quantum Dot TVs add a nanocell layer that removes unwanted light for richer more colorful picture with extended contrast.

#### Advanced Gameplay

##### Amped-up and ready for the win

Experience real-time action with virtually no tearing from FreeSync™, VRR and GeForce NOW for cloud gaming.\* Plus, the LG Game Optimizer, Game Dashboard and four HDMI 2.1 ports get you (and keep you) in the action.

\*Subscription and compatible gaming controller are required.

**PICTURE (PANEL)**

|                    |                             |
|--------------------|-----------------------------|
| Display Type       | 4K QNED MiniLED             |
| Display Resolution | 4K Ultra HD (3,840 x 2,160) |
| Backlight Type     | Mini LED                    |
| Refresh Rate       | 120Hz Native                |
| Wide Color Gamut   | QNED Color Pro              |
| 100% Color Volume  | Yes                         |

**PICTURE (PROCESSING)**

|                          |                                |
|--------------------------|--------------------------------|
| Picture Processor        | α8 AI Processor 4K             |
| AI Picture               | Yes                            |
| AI Upscaling             | α8 AI Super Upscaling 4K       |
| Dynamic Tone Mapping     | Yes (Dynamic Tone Mapping Pro) |
| HDR (High Dynamic Range) | Dolby Vision / HDR10 / HLG     |
| Dolby Vision             | Yes                            |
| FILMMAKER MODE™          | Yes                            |
| Dimming Technology       | Precision Dimming              |
| Motion                   | Motion Pro                     |

**GAMING**

|                              |                      |
|------------------------------|----------------------|
| Game Optimizer               | Yes (Game Dashboard) |
| FreeSync Compatible (AMD)    | Yes                  |
| VRR (Variable Refresh Rate)  | Yes                  |
| ALLM (Auto Low Latency Mode) | Yes                  |
| HGIG Mode                    | Yes                  |

**SMART TV**

|                               |                |
|-------------------------------|----------------|
| Operating System (OS)         | webOS 24       |
| ThinQ                         | Yes            |
| Intelligent Voice Recognition | Yes            |
| Magic Remote Control          | Built-In       |
| Home Hub                      | Yes            |
| Amazon Alexa (Built-in)       | Yes (Built-in) |
| Works with Amazon Alexa       | Yes            |
| Works with Hey Google         | Yes            |
| Works with Apple Home         | Yes            |
| Works with Apple Airplay2     | Yes            |
| Chromecast built-in           | Yes            |
| App Store                     | Yes (App)      |
| Full Web Browser              | Yes            |
| LG Channels                   | Yes            |
| Who.Where.What?               | Yes            |
| Sports Alert                  | Yes            |
| Multi View                    | Yes            |
| Room to Room Share            | Yes (Receiver) |
| Always Ready                  | Yes            |
| USB Camera Compatible         | Yes            |
| Home Office                   | Yes            |
| Game Service                  | Yes            |
| Music Service                 | Yes            |
| Matter                        | Yes            |
| AI Concierge                  | Yes            |
| Family Settings               | Yes            |

|                  |                                                                                |
|------------------|--------------------------------------------------------------------------------|
| Content Partners | Netflix, Max, Disney+, YouTube, Prime Video, ESPN, Apple TV, Sling TV and more |
|------------------|--------------------------------------------------------------------------------|

**AUDIO**

|                      |                                        |
|----------------------|----------------------------------------|
| Speaker System       | 2.2 Channel                            |
| Audio Output         | 40W                                    |
| Speaker Direction    | Down Firing                            |
| Dolby Atmos          | Yes                                    |
| AI Sound             | α8 AI Sound Pro (Virtual 9.1.2 Up-mix) |
| DTS:X (by-pass only) | Yes                                    |
| Clear Voice Pro      | Yes (Auto Volume Leveling)             |
| WiSA Ready           | Yes (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                  |
| Sound Mode Share         | Yes                  |
| Bluetooth Surround Ready | Yes (2 Way Playback) |

**CONNECTIVITY**

|                       |                                    |
|-----------------------|------------------------------------|
| Wi-Fi Standard        | Yes (Wi-Fi 5)                      |
| Bluetooth Support     | Yes (v 5.1)                        |
| IP Control            | Yes                                |
| Simplink (HDMI CEC)   | Yes                                |
| TV Tuner              | ATSC1.0 (Terrestrial), QAM (Cable) |
| Smartphone Remote App | Yes (LG ThinQ)                     |

**INPUTS & OUTPUTS**

|                                   |                                                        |
|-----------------------------------|--------------------------------------------------------|
| HDMI Input                        | 4ea (supports 4K 120Hz, eARC, VRR, ALLM, QMS (4 port)) |
| HDMI Audio Return Channel         | eARC (HDMI 3)                                          |
| USB Input                         | 2ea (v 2.0)                                            |
| RF Input (Antenna/Cable)          | 1ea                                                    |
| Ethernet Input                    | 1ea                                                    |
| RS-232C Input (Min Jack)          | Yes                                                    |
| SPDIF (Optical Digital Audio Out) | 1ea                                                    |

**POWER**

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

|                   |                                        |
|-------------------|----------------------------------------|
| Power Consumption | 86": 206 W<br>75": 165 W<br>65": 137 W |
|-------------------|----------------------------------------|

|                          |                                                    |
|--------------------------|----------------------------------------------------|
| Annual Power Consumption | 86": 379 kWh/y<br>75": 304 kWh/y<br>65": 253 kWh/y |
|--------------------------|----------------------------------------------------|



| 86QNED90TUA (86.4" DIAGONAL) DIMENSIONS/WEIGHTS/UPC |                                      |
|-----------------------------------------------------|--------------------------------------|
| TV Dimensions with Stand (WxHxD)                    | 75.8" x 45.9" x 14.1"                |
| TV Dimensions without Stand (WxHxD)                 | 75.8" x 43.5" x 1.8"                 |
| Shipping Dimensions (WxHxD)                         | 83.3" x 47.8" x 9"                   |
| Stand Width                                         | 60.3"                                |
| TV Weight with Stand                                | 130.3 lbs                            |
| TV Weight without Stand                             | 128.1 lbs                            |
| Shipping Weight                                     | 158.3 lbs                            |
| VESA Mounting (W x H)                               | 600 x 400                            |
| UPC                                                 | 195174075999                         |
| 75QNED90TUA (75.1" DIAGONAL) DIMENSIONS/WEIGHTS/UPC |                                      |
| TV Dimensions with Stand (WxHxD)                    | 65.9" x 40.4" x 14.1"                |
| TV Dimensions without Stand (WxHxD)                 | 65.9" x 37.9" x 1.8"                 |
| Shipping Dimensions (WxHxD)                         | 71.7" x 43.9" x 7.9"                 |
| Stand Width                                         | Position 1: 53", Position 2: 20.6"   |
| TV Weight with Stand                                | 94.6 lbs                             |
| TV Weight without Stand                             | 92.4 lbs                             |
| Shipping Weight                                     | 114.6 lbs                            |
| VESA Mounting (W x H)                               | 400 x 400                            |
| UPC                                                 | 195174077399                         |
| 65QNED90TUA (65.1" DIAGONAL) DIMENSIONS/WEIGHTS/UPC |                                      |
| TV Dimensions with Stand (WxHxD)                    | 57.2" x 35.6" x 11.6"                |
| TV Dimensions without Stand (WxHxD)                 | 57.2" x 33" x 1.8"                   |
| Shipping Dimensions (WxHxD)                         | 65.7" x 42.1" x 8.0"                 |
| Stand Width                                         | Position 1: 45.8", Position 2: 16.7" |
| TV Weight with Stand                                | 69.2 lbs                             |
| TV Weight without Stand                             | 68.3 lbs                             |
| Shipping Weight                                     | 88.2 lbs                             |
| VESA Mounting (W x H)                               | 400 x 400                            |
| UPC                                                 | 195174076767                         |

| ACCESSORIES INCLUDED                   |                      |
|----------------------------------------|----------------------|
| Wall Mount                             | -                    |
| Remote                                 | Magic Remote MR24    |
| Remote Control Battery                 | Yes (AA x 2EA)       |
| Power Cable                            | Yes (Attached)       |
| Quick Start Guide                      | Yes                  |
| E-Manual                               | Yes                  |
| OPTIONAL ACCESSORIES (SOLD SEPARATELY) |                      |
| Stand                                  | -                    |
|                                        | 86": WB21LG, LSW640  |
|                                        | 75": WB21LG, LSW430  |
|                                        | 65": WB21LM, LSW430  |
| Floor Stand                            | -                    |
| WARRANTY                               |                      |
| Limited Warranty                       | 1 Year Parts & Labor |