NANO91ANA Series
LG NanoCell TV Nano90

86"  75"  65"  55"

* Class size: See below for details.

- Real 4K NanoCell Display:
  - Nano Color, Nano Accuracy, Nano Bezel,
  - Full Array Dimming
- α7 Gen 3 Processor 4K
  - with AI Picture & AI Sound
- webOS & ThinQ AI w/ Magic Remote
- Cinema HDR w/ Dolby Vision™ IQ | Dolby Atmos®
- Gaming:
  - FreeSync, Variable Refresh Rate, ALLM, HGiG
- TruMotion 240 (Native 120Hz)

DESCRIPTION
LG NanoCell TV Nano90 is our best 4K LED TV. LG NanoCell TV Nano90 unveils a detailed LED picture in 4K resolution. With 8.3+ million pixels, you're immersed in four times the resolution of Full HD. See the natural, lifelike picture of Nano Color. Enjoy wide viewing with Nano Accuracy. Witness deeper black and contrast made possible through the precisely balanced lighting of Full Array Dimming. It's an experience backed by AI Picture and AI Sound, our premium processor, connected home features and cutting-edge gaming tech in LG's best 4K LED TV.

KEY FEATURES
Real 4K NanoCell Display
See LG NanoCell TV bring 4K to life.
It's a 4K picture that defines quality. Over 8.3 million active pixels of 4K deliver 4 times the resolution of Full HD. See the natural, lifelike color of Nano Color, precise color at wide angles with Nano Accuracy, and deeper black and contrast of precisely balanced lighting.

Full Array Dimming
See deeper black and greater contrast. See mind-blowing moments in your movies, sports, and games. Full Array Local Dimming is a precise level of backlighting control — balancing light for deeper black and enhanced contrast from edge to edge.

webOS + Magic Remote
Entertainment at your command. LG's fan-favorite webOS platform makes it surprisingly fast and easy to stream movies and shows with your favorite apps and find new obsessions based on what you like. While our Magic Remote lives up to its name with voice and motion control — just speak or simply point, scroll and click.

α7 Gen 3 Processor 4K
Our processor empowers better picture and sound. Your picture is made better, clearer, and smoother. Our α7 Gen 3 Processor 4K powers the performance. You don't have to do a thing to enjoy great picture and sound. Our advanced processor does it for you with AI Picture, AI Sound and 4K Upscaling*.

Dolby Vision™ IQ | Dolby Atmos®
The leading name in cinematic sight and sound. Dolby ups the action, driving their best-in-class HDR format to new cinematic heights. Dolby Vision IQ* automatically adjusts picture settings depending on ambient lighting conditions and content genres. Dolby Atmos® puts you in the middle of the action with multi-dimensional surround sound that seems to flow all around you.

* Image quality of upscaled content will vary based on the source resolution.
*Dolby Vision is a trademark of Dolby Laboratories. Dolby, Dolby Atmos and the double-D symbol are registered trademarks of Dolby Laboratories.
### LG NanoCell TV

**Home Entertainment**

**SPECIFICATIONS**

#### Picture (Panel)
- **Display Type**: Real 4K NanoCell Display
- **Display Resolution**: 4K Ultra HD (3,840 x 2,160)
- **Wide Viewing Angle**: Yes (IPS Technology)
- **Backlight Type**: Slim Direct
- **Backlight Dimming Technology**: Full Array Dimming

#### Picture (Processing)
- **Picture Processor**: α7 Gen 3 Processor 4K
- **Refresh Rate**: TruMotion 240 (Native 120Hz)
- **HDR (High Dynamic Range)**: Cinema HDR (Dolby Vision®, HDR10, HLG)
- **Dolby Vision®**: Yes
- **Dolby Vision IQ**: Yes
- **HDR Dynamic Tone Mapping**: Yes
- **Contrast**: Ultra Luminance
- **Clarity**: Double Step Noise Reduction
- **Color**: Nano Color
- **Advanced Color Enhancer**: Yes
- **True Color Accuracy**: Yes
- **Resolution Upscaler**: 4K Upscaler

#### Gaming
- **FreeSync™**: Yes (May not be available at the time of purchase of this product)
- **VRR (Variable Refresh Rate)**: Yes
- **ALLM (Auto Low Latency Mode)**: Yes
- **HGiG**: Yes

#### AI TV (Artificial Intelligence)
- **LG ThinQ® AI**: Yes
- **Google Assistant**: Google Assistant Built-In
- **Alexa**: Alexa Built-In “Works with” Alexa
- **Apple**: Apple Airplay2, Apple Homekit
- **Intelligent Voice Recognition**: Yes
- **Home Dashboard**: Yes
- **AI Picture Pro / AI Picture**: Yes
- **Auto Genre Selection**: Yes (Dolby HDR only)

#### Smart TV
- **Operating System**: webOS
- **Magic Remote Control**: Yes (Point, Click, Scroll, Voice)
- **Universal Remote Control**: Yes (Auto Device Detection)

#### LG Channels
- **LG Content Store (App Store)**: Yes
- **Full Web Browser**: Yes
- **Settings Mode**: Yes
- **Sports Alert**: Yes

#### Audio
- **Speaker System**: 2.2 Channel : 85”, 75”
- **Digital Audio Output (Optical)**: Yes
- **Dolby Atmos**: Yes
- **WiSA Ready**: Yes (Separate Dongle Purchase Required)
- **Surround Mode**: Ultra Surround
- **Audio Codec**: AC-4, AC-3 (Dolby Digital), EAC-3, HE-AAC, AAC, MP2, MP3, PCM, WiMA, aipt-X (Refer to manual)
- **Bluetooth Surround Ready**: Yes
- **LG Sound Sync**: Yes

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

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

#### Power
- **Power Consumption**: AC 120V, 50/60Hz
- **Standby Power Consumption**: Under 0.5W
- **Power Consumption**: TBD
- **Annual Power Consumption**: TBD

### Products

**65NANO91ANA (85.5” DIAGONAL) DIMENSIONS/WEIGHTS/UPC**

<table>
<thead>
<tr>
<th>TV Dimensions with Stand (WxHxD)</th>
<th>75.8” x 46.6” x 17”</th>
</tr>
</thead>
<tbody>
<tr>
<td>TV Dimensions without Stand (WxHxD)</td>
<td>75.8” x 43.5” x 9.1”</td>
</tr>
<tr>
<td>Packaging Dimensions (WxHxD)</td>
<td>83.3” x 47.9” x 11.2”</td>
</tr>
<tr>
<td>Stand Width</td>
<td>47.1”</td>
</tr>
<tr>
<td>TV Weight with Stand</td>
<td>122.1 lbs</td>
</tr>
<tr>
<td>TV Weight without Stand</td>
<td>114.4 lbs</td>
</tr>
<tr>
<td>Packaging Weight</td>
<td>155 lbs</td>
</tr>
<tr>
<td>VESA Mounting (W x H)</td>
<td>600 x 400</td>
</tr>
<tr>
<td>UPC</td>
<td>719192639683</td>
</tr>
</tbody>
</table>

**75NANO91ANA (74.5” DIAGONAL) DIMENSIONS/WEIGHTS/UPC**

<table>
<thead>
<tr>
<th>TV Dimensions with Stand (WxHxD)</th>
<th>66” x 41.1” x 15.1”</th>
</tr>
</thead>
<tbody>
<tr>
<td>TV Dimensions without Stand (WxHxD)</td>
<td>66” x 38” x 9.1”</td>
</tr>
<tr>
<td>Packaging Dimensions (WxHxD)</td>
<td>71.8” x 45.9” x 11.2”</td>
</tr>
<tr>
<td>Stand Width</td>
<td>35.2”</td>
</tr>
<tr>
<td>TV Weight with Stand</td>
<td>83.6 lbs</td>
</tr>
<tr>
<td>TV Weight without Stand</td>
<td>77.2 lbs</td>
</tr>
<tr>
<td>Packaging Weight</td>
<td>106.7 lbs</td>
</tr>
<tr>
<td>VESA Mounting (W x H)</td>
<td>600 x 400</td>
</tr>
<tr>
<td>UPC</td>
<td>719192639690</td>
</tr>
</tbody>
</table>

**86NANO91ANA (64.5” DIAGONAL) DIMENSIONS/WEIGHTS/UPC**

<table>
<thead>
<tr>
<th>TV Dimensions with Stand (WxHxD)</th>
<th>57.3” x 35.8” x 12.8”</th>
</tr>
</thead>
<tbody>
<tr>
<td>TV Dimensions without Stand (WxHxD)</td>
<td>57.3” x 33.1” x 9.1”</td>
</tr>
<tr>
<td>Packaging Dimensions (WxHxD)</td>
<td>65.4” x 42.1” x 8.1”</td>
</tr>
<tr>
<td>Stand Width</td>
<td>32.7”</td>
</tr>
<tr>
<td>TV Weight with Stand</td>
<td>56.7 lbs</td>
</tr>
<tr>
<td>TV Weight without Stand</td>
<td>52.9 lbs</td>
</tr>
<tr>
<td>Packaging Weight</td>
<td>74.3 lbs</td>
</tr>
<tr>
<td>VESA Mounting (W x H)</td>
<td>300 x 300</td>
</tr>
<tr>
<td>UPC</td>
<td>719192639706</td>
</tr>
</tbody>
</table>

**ACCESSORIES INCLUDED**

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

**WARRANTY**

- Limited Warranty: 1 Year Parts & Labor

*© 2020 LG Electronics USA, Inc. All rights reserved. "LG Life’s Good" is a registered trademark of LG Corp. All other product and brand names are trademarks or registered trademarks of their respective owners. Design, features and specifications are subject to change without notice. Non-metric weights and measurements are approximate. Some features may require Internet access. Content and services may vary by product and are subject to change without notice. 3/17/20*