

# QN990C Samsung Neo QLED 8K TV



## PRODUCT HIGHLIGHTS

- Infinity-all-metal design with Slim Fit Wall-Mount included
- Quantum Matrix Pro with Mini LEDs
- Neural Quantum Processor 8K<sup>1</sup>
- Dolby Atmos™ and Cinema Object Tracking Sound
- Neo Quantum HDR 8K Pro

## SIZE CLASS

98"  
98QN990C



8K ULTRA HD



Dive into one of our most brilliantly intense 8K experience. By using precision Mini LEDs to create a wide range of color and contrast, rich details are revealed. Marvel at all that emerges from your darkest and brightest scenes thanks to 14-bit processing for deep blacks and over a billion shades of color. From daytime sports to movie night, your picture amazes in any light with AI-processing that expertly upscales content to 8K and refines your Smart Hub and sound.

## KEY FEATURES

### Picture

- Quantum Matrix Pro with Mini LEDs
- Neo Quantum HDR 8K Pro
- Real 8K Resolution with AI Upscaling<sup>1</sup>
- Neural Quantum Processor 8K<sup>1</sup>
- 100% Color Volume with Quantum Dot<sup>2</sup>
- Ultimate 8K Dimming Pro
- Motion Xcelerator Turbo+
- Anti-Glare with Wide Viewing Angle
- Adaptive Picture
- Eye Comfort Mode
- Real Depth Enhancer Pro
- Expert Calibration
- Smart Calibration<sup>3</sup>
- Auto Game Mode (ALLM)
- Super Ultrawide Game View & Game Bar 3.0<sup>4</sup>
- Mini Map Zoom
- Pantone Validated Color

### Design

- Infinity One Design
- Infinity Screen
- Attachable Slim One Connect
- Titan Black Slim OC Stand

### Smart Features

- Smart TV Powered by Tizen™
- Universal Guide
- Ambient Mode+<sup>5</sup>
- Multiple Voice Assistants<sup>6</sup>
- Samsung TV Plus
- Smart Hub
- Google Meet
- Multi View<sup>7</sup>
- SmartThings Compatible<sup>8</sup>
- Samsung Health<sup>9</sup>
- Telemedicine
- ConnetTime
- Gaming Hub<sup>10</sup>

### Connections

- 4 HDMI Ports<sup>11</sup>
- HDMI 2.1 Features Supported:<sup>12</sup>
  - Auto Low Latency Mode (ALLM), supported on all ports
  - Fixed Rate Link (FRL) up to 4K@120Hz support for some PCs/4K@120Hz, supported on all ports
  - Variable Refresh Rate (VRR), supported on all ports
  - Enhanced Audio Return Channel (eARC), supported on port number 3
- 3 USB 2.0 Connections
- LAN Port

- Wi-Fi 6E built-in Wi-Fi
- Bluetooth 5.2<sup>®</sup>
- RS-232C Control (Ex-Link)
- IP Control Support<sup>13</sup>
- Digital Audio Output (Optical)

### Audio

- Dolby Atmos™
- Cinema Object Tracking Sound
- Q-Symphony 3.0<sup>14</sup>
- Adaptive Sound Pro
- Active Voice Amplifier
- 120 Watt 6.4.4 Channel

### Included Accessories

- SolarCell Remote™ (TM-2360E)<sup>15</sup>
- One Connect Box

### Industry Certifications

- NextGen TV<sup>16</sup>
- 8K Association
- 8K Ultra HD
- Filmmaker Mode<sup>17</sup>

<sup>1</sup>Utilizes AI-Based formulas to upscale to 8K Resolution. Resulting picture may vary based on source content. <sup>2</sup>100% color volume measured to DCI-P3 standard, certified by VDE. <sup>3</sup>Galaxy S23 phone required for use. <sup>4</sup>Best experience with games supporting UltraWide GameView. <sup>5</sup>Background feature accuracy may vary based on TV location and is dependent on wall designs, patterns and/or colors. SmartThings app on a mobile device (Android, iOS) is required for some functionality. App features may be limited at launch; please continue to check for updates. <sup>6</sup>Amazon, Alexa, and all related logos are trademarks of Amazon.com, Inc. or its affiliates. This service may not yet be available at the time of purchase of this product. Apple and related marks and logos are trademarks of Apple Inc. This Samsung TV supports AirPlay 2 and requires iOS 12.3 or later or macOS 10.14.5 or later. <sup>7</sup>Supports up to 4 videos. <sup>8</sup>SmartThings compatible devices only. SmartThings app download may be required. <sup>9</sup>Subscriptions may be required for some services. Smart Trainer support devices may vary by country. Partners and content may vary by region. <sup>10</sup>High speed internet connection, additional gaming service subscriptions, and compatible controller required. <sup>11</sup>HDMI-CEC (Consumer Electronics Control) facilitates convenient control functions with compatible devices. <sup>12</sup>Requires third-party control system installation. See [www.samsung.com/us/business/custominstall](http://www.samsung.com/us/business/custominstall). <sup>13</sup>HDMI-CEC (Consumer Electronics Control) facilitates convenient control functions with compatible devices. <sup>14</sup>Q-Symphony is available only with compatible soundbar. Check for Q-Symphony compatibility on soundbar product specifications. <sup>15</sup>May also be charged with USB-C cable (not included). <sup>16</sup>The NextGen TV logo is an unregistered trademark of the Consumer Technology Association and is used by permission. <sup>17</sup>FILMMAKER MODE™ logo is a trademark of UHD Alliance, Inc.

SAMSUNG

SEE BACK FOR DETAILS

# QN990C Samsung Neo QLED 8K TV

## KEY FEATURES (page 1 of 2)

### PICTURE

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#### Quantum Matrix Pro with Mini LEDs

See worlds within worlds, with unparalleled 8K precision made possible by a universe of tiny lights. Explore a billion colors and intense contrast powered by a grid of Samsung Quantum Mini LEDs.

#### Real 8K Resolution with AI Upscaling<sup>1</sup>

Marvel at the details within the details from 8K and the precision of 33 million pixels.

#### Neo Quantum HDR 8K Pro

You'll rethink what's real when you see the brilliance of our beyond-lifelike colors—powered by Neo Quantum HDR 8K Pro. Witness an extraordinary range of contrast, brought to life in stunning and accurate color detail, no matter what you're watching.

#### Neural Quantum Processor 8K<sup>1</sup>

Upscale every movie night—and be ready for the future of 8K TV—with our prestigiously detail-oriented processor. This brainy tech serves up crisp detail, stunning depth, shading and textures that result in a better-than-the-theater home theater experience, in addition to enhancing your audio and total TV performance.

#### 100% Color Volume with Quantum Dot<sup>2</sup>

Take in a billion shades of unwavering color and enjoy vivid, life-like color at any brightness level as Mini LEDs and Quantum Dot technology work together to create every shade you see on screen.

#### Motion Xcelerator Turbo Pro

Hold onto your seat. High-speed games, movies and sports approach peak performance with exceptional motion enhancements. Motion Xcelerator Turbo Pro creates consistently crisp 4K visuals at blazing-fast speeds up to 120hz, and Game Motion Plus goes up to 144hz with compatible PC-connected content.

#### Anti-Glare with Ultra Viewing Angle

Pick a seat, any seat. There isn't a bad one in the house thanks to Anti-Glare with Ultra Viewing Angle technology. Get a consistent and detailed 8K picture at any angle, in any light—with pristine color across the entire screen.

#### Adaptive Picture

Get an optimized picture effortlessly with a lighting system that automatically senses, reacts, and adjusts to the brightness of the space you're in.

#### Eye Comfort Mode

Enjoy an optimized display without lifting a finger. Its lighting system evaluates the brightness of your space to tailor your screen contrast.

#### Pantone Validated

Enjoy color validated by industry leading experts at Pantone®, so that images on the screen look as incredible as they do in real life. From every fantastic detail on your favorite runway competition to each course of drool-worthy cooking shows, experience it all in a whole new way only on Samsung screens.

#### Smart Calibration<sup>3</sup>

Enjoy your screen the way the director intended—in just a couple of clicks.

#### Auto Game Mode (ALLM)

Ultra-low latency means less lag, less drag and more time to win.

#### Super Ultrawide GameView & Game Bar 3.0<sup>4</sup>

Expand your game view and optimize how you play with these winning features.

#### Real Depth Enhancer Pro

Experience depth and dimension on screen just like you do in real life.

#### Mini Map Zoom

With Mini Map Zoom, share game map to other devices to make game play easier.

#### Attachable Slim One Connect

An elegant solution to reducing cable clutter, the Attachable Slim One Connect offers compact flexibility for keeping wires out of sight.

#### Samsung Gaming Hub<sup>11</sup>

WE got Game. Stream your favorite games right from your TV. No console required.<sup>??</sup>

### SMART FEATURES

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#### Smart Hub

Spend less time searching and more time streaming what you enjoy with Smart Hub.

#### Smart TV Powered by Tizen

Stream your heart out and enjoy all you love with Smart TV Powered by Tizen.

#### Universal Guide

Get tailored recommendations for streaming and live TV all in one place with a simple on-screen guide.

#### Ambient Mode+<sup>5</sup>

Transform your blank screen into the ultimate centerpiece with Ambient Mode+.

#### Multiple Voice Assistants<sup>6</sup>

Just speak up—your favorite Voice Assistant is built in and ready to help.

#### Samsung TV Plus

Turn on and tune into free live TV with just your WiFi connection. No subscription necessary.

#### Multi View<sup>7</sup>

Watch up to four things at once on your TV, including what's on your mobile device.

#### SolarCell Remote<sup>15</sup>

The rechargeable SolarCell Remote makes it easy to access and control all of your compatible connected devices with one simple remote. Includes RF harvesting to charge the remote using signals like wifi.

#### SmartThings Compatible<sup>8</sup>

Take control of your connected devices with SmartThings on your screen.

#### Samsung Health<sup>9</sup>

Discover how a healthy and balanced lifestyle is within view—Samsung Health tools can help.

#### Music Wall

Create a mesmerizing mood that matches your music, no matter your playlist. When the TV's off, turn on a captivating visual experience that moves to the beat of your music.

# QN990C Neo QLED 8K TV

## KEY FEATURES (page 2 of 2)

### DESIGN

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#### **Infinity-all-Metal design with Slim Fit Wall Mount Included**

Immerse yourself in the striking simplicity of the Infinity One Design. With its impossibly slim 360 degree metal profile and modern lines, the Samsung Neo QLED was created to complement your style. This elegant TV has the beauty to blend in.\*

### CONNECTIONS

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#### **HDMI**

Connect up to 4 devices with HDMI.

#### **Wi-Fi**

Enjoy your favorite on-demand content seamlessly through your existing network with built-in Wi-Fi (Wi-Fi 6E).

### AUDIO

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#### **Cinema Object Tracking Sound**

Hear what happens where it happens with 3D sound that tracks the action from all corners. With OTS, audio flows from all 4 sides, the center and above your TV to put you right in the middle of the scene for a truly cinematic experience.

#### **Q-Symphony 3.0<sup>14</sup>**

Amp up your audio with the greatest duo of all time—Samsung TVs paired with a Samsung soundbar. With Q-Symphony, your TV speakers paired with Q-Series and S-Series soundbar operate as one. Together, they can optimize all the channels to bring you a masterfully orchestrated sound experience.

#### **Active Voice Amplifier**

Made to cut down outside noise, it compares the volume of the sound on-screen with your environment so you can catch the words loud and clear.

#### **Dolby Atmos™**

Be enveloped by the spectacular cinematic surround sound of Dolby Atmos built right into the TV.

### INCLUDED ACCESSORIES

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SolarCell Remote™TM2360E

One Connect Box

Attachable Slim One Connect

One Connect Cables (0.3m, 2.5m in length)

Power Cable

User Manual / E-Manual

### INDUSTRY CERTIFICATIONS

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#### **NextGen TV<sup>16</sup>**

CTA's NextGen TV logo is for devices meeting ATSC 3.0 interoperability test specifications. NextGen TV unlocks new features, additional content—and more control—for broadcast viewers.

#### **8K Association**

8K Association Certified TVs feature four times as many pixels as standard 4K TVs for impactfully realistic clarity and deliver exceptional contrast and color for striking high dynamic range performance. Visit <https://8kassociation.com/> to learn more.

#### **8K Ultra HD**

The 8K UHD logo shown on Samsung QLED 8K TV packaging indicates the product meets the Consumer Technology Association's (CTA) definition for 8K televisions.

#### **Filmmaker Mode<sup>17</sup>**

Watch your movies and TV shows the way the filmmakers intended. This new picture mode preserves the director's creative intent and provides a cinematic experience.

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## MODEL

**MODEL:** QN98QN990C

**ORDER CODE:** QN98QN990CFXZA

**SCREEN SIZE CLASS:** 98"

**SCREEN DIAGONAL MEASUREMENT:** 97.5"

**UPC CODE:** 887276772264

**COUNTRY OF ORIGIN:** Vietnam

### **DIMENSIONS (INCHES W x H x D):**

- **TV WITHOUT STAND:** 85.8 x 48.8 x 0.8
- **TV WITH STAND:** 85.8 x 51.8 x 14.6
- **SHIPPING:** 94.1 x 56.3 x 11.3
- **ONE CONNECT BOX:** 16.5 x 1.6 x 13
- **STAND FOOTPRINT:** 16.5 x 14.6 x 11.5

### **WEIGHT (LB):**

- **TV WITHOUT STAND:** 149.9
- **TV WITH STAND:** 190.7
- **SHIPPING:** 246.9

**VESA SUPPORT:** Yes (600 x 400)

### **ACCESSORIES INCLUDED IN BOX:**

- **REMOTE MODEL:** TM-2360E
- **ONE CONNECT BOX**
- **ATTACHABLE SLIM ONE CONNECT**
- **ONE CONNECT CABLES** (0.3m, 2.5m in length)
- **POWER CABLE**
- **USER MANUAL and E-MANUAL**