

QN90DD Samsung Neo QLED 4K TV



PRODUCT HIGHLIGHTS

- Quantum Matrix with Mini LEDs
- Neo Quantum HDR+¹
- Dolby Atmos™ and Object Tracking Sound+⁹
- Ultimate UHD Dimming Pro
- Motion Xcelerator 144Hz⁵

SIZE CLASS



This elite TV features crisp resolution, clear motion and high contrast. It has a brilliant and smooth picture made possible by ultra-fine lighting and brightness—all with a 3D-like image and sound.

KEY FEATURES

Picture

- Neo Quantum HDR+¹
- 4K AI Upscaling²
- Ultra Wide Viewing Angle (85", 75", 65", 55")³
- NQ4 AI Gen2 Processor
- 100% Color Volume with Quantum Dot⁴
- Ultimate UHD Dimming Pro
- Motion Xcelerator 144Hz⁵
- Quantum Matrix with Mini LEDs
- Auto HDR Remastering
- HDR Brightness Optimizer
- Real Depth Enhancer Pro
- EyeComfort Mode
- Customized Picture Mode
- Expert Calibration
- Auto Game Mode (ALLM)
- Super Ultra Wide Game View and Game Bar⁶
- Mini Map Zoom
- Anti-Reflection

Design

- Neo Slim
- Titan Black Stand

Smart Features⁷

- Samsung Tizen OS
- Universal Guide
- Ambient Mode+
- Built-in Voice Assistant⁸
- Samsung TV Plus
- Samsung Smart Hub
- Multi View
- SmartThings Compatible⁹
- Samsung Health¹⁰
- ConnetTime
- Samsung Gaming Hub⁶

Connections

- 4 HDMI 2.1 Ports¹¹
- HDMI 2.1 Features Supported:
 - Auto Low Latency Mode (ALLM), supported on all ports
 - Fixed Rate Link (FRL) 4K@144Hz supported on all ports
 - Variable Refresh Rate (VRR), supported on all ports
 - Enhanced Audio Return Channel (eARC), supported on one port
- 2 USB-A Connections
- LAN Port

- Wi-Fi 5 built-in Wi-Fi
- Bluetooth®5.2
- RS232 Control (Ex-Link)
- IP Control Support¹²
- Optical Audio Output Port

Audio

- Dolby Atmos® and Object Tracking Sound+¹³
- Q-Symphony¹⁴
- Active Voice Amplifier Pro
- Adaptive Sound Pro
- Dual Audio Support (Bluetooth)
- 360 Audio
- 70 Watt 4.2.2 Channel¹⁵

Included Accessories

- SolarCell Remote® (TM-2360E)

Industry Certifications

- Filmmaker Mode¹⁶

¹ QN90DD 50" and 43" have Neo Quantum HDR.

² Utilizes AI-Based formulas.

³ 50" and 43" have Wide Viewing Angle.

⁴ QLED televisions can produce 100% Color Volume in the DCI-P3 color space, the format for most cinema screens and HDR movies for television.

⁵ 144Hz requires compatible content connection from compatible PCs.

⁶ High speed internet connection, additional gaming service subscriptions and compatible controller required.

⁷ Samsung Account required for network-based smart services, including streaming apps and other smart features. Separate [connected] computer, mobile or other device may be necessary to create/log in to Samsung Account (free to download and create). Without Account log in, only external device connections (e.g., via HDMI) and terrestrial/over-the-air TV (only for TVs with tuners) available.

⁸ Alexa is built-in.

⁹ SmartThings compatible devices only. SmartThings app download may be required.

¹⁰ Subscriptions may be required for some services. Smart Trainer support devices may vary by country. Partners and content may vary by region.

¹¹ HDMI-CEC (Consumer Electronics Control) facilitates convenient control functions with compatible devices.

¹² Requires third-party control system installation. See www.samsung.com/us/business/custominstall.

¹³ QN90DD 43" has Dolby Atmos and Object Tracking Sound Lite

¹⁴ Q-Symphony requires compatible 2020-2024 Samsung TV and either a Q-series or S-series soundbar.

¹⁵ QN90DD 50" has Object Tracking Sound Lite (40W 2.2CH); QN90DD 43" has Object Tracking Sound Lite (20W 2CH).

¹⁶ FILMMAKER MODE™ logo is a trademark of UHD Alliance, Inc.

SAMSUNG

SEE BACK FOR DETAILS

Samsung Neo QLED QN90DD 4K TV

TOP 10 KEY FEATURES

Quantum Matrix with Mini LEDs

Catch every detail in dark to bright scenes. Precise lighting from Mini LEDs boost brightness so you don't miss a thing. It all works to make your picture that much more intense.

Neo Quantum HDR+¹

Take in a realistic picture with 4K color and contrast. No exaggeration: the things on screen look true enough to touch. You'll get to absorb all the nuances of the latest Hollywood movies and the shows you love made for High Dynamic Range.

Dolby Atmos™ and Object Tracking Sound+²

Put yourself in the middle of the action with built-in Dolby Atmos®. When cars are speeding across the screen, 3D sound moves right along with them thanks to Object Tracking Sound.

Ultimate UHD Dimming Pro

Brightness is auto-optimized with deep darks and bright whites based on a precise scan of the picture.

Motion Xcelerator 144Hz³

Play games and content with ultra-smooth motion and virtually no lag or blur. Get uninterrupted action with crisp visuals rendered at top speeds, so you always have a seamless, non-stop picture.*

Real Depth Enhancer Pro

Experience depth and dimension on screen just like you do in real life. Real Depth Enhancer Pro finds the focal point in each frame and adjusts for a fully dimensional picture.

4K AI Upscaling⁴

Content instantly transformed to incredibly sharp up to 4K resolution. Whether you're streaming an HD movie, watching live sports, or looking back at home videos, experience it all transformed into sharp 4K resolution.

NQ4 AI Gen2 Processor

The power behind the 4K picture that actively improves the quality. Utilizing 20 specialized networks the AI-powered processor drives the intuitive Smart TV Hub, Dolby Atmos™ sound, and expertly upscaled 4K resolution.

Auto HDR Remastering

Elevate your viewing experience with incredible 4K color and contrast. AI-based algorithms help create brighter highlights and details.

HDR Brightness Optimizer

Dark scenes become detailed so that everything is more visible. The tone of the image adjusts in real time so you can see the screen in any lighting. Plus with improved brightness, you get a rich picture with more to see. .

¹ 50" and 43" have Neo Quantum HDR.

² QN90DD 43" has Dolby Atmos and Object Tracking Sound Lite.

³ 144Hz requires compatible content connection from compatible PCs.

⁴ Utilizes AI-Based formulas

Samsung Neo QLED QN90DD 4K TV

MODELS

MODEL: QN85QN90DD
ORDER CODE: QN85QN90DDFXZA

SCREEN SIZE CLASS: 85"

SCREEN DIAGONAL MEASUREMENT: 84.5"

UPC CODE: 887276818207

COUNTRY OF ORIGIN: Mexico

DIMENSIONS (INCHES W x H x D):

- **TV WITHOUT STAND:** 74.5 x 42.6 x 1.1
- **TV WITH STAND:** 74.5 x 45 x 12.6
- **SHIPPING:** 84.3 x 49 x 9.1
- **STAND FOOTPRINT:** 16.4 x 10.5 x 12.6

WEIGHT (LB):

- **TV WITHOUT STAND:** 95.9
- **TV WITH STAND:** 110
- **SHIPPING:** 139.6

VESA SUPPORT: Yes (600 x 400)

ACCESSORIES INCLUDED IN BOX:

- **REMOTE MODEL:** TM2360E
- **POWER CABLE**
- **USER MANUAL**

MODEL: QN75QN90DD
ORDER CODE: QN75QN90DDFXZA

SCREEN SIZE CLASS: 75"

SCREEN DIAGONAL MEASUREMENT: 74.5"

UPC CODE: 887276818214

COUNTRY OF ORIGIN: Mexico

DIMENSIONS (INCHES W x H x D):

- **TV WITHOUT STAND:** 65.7 x 37.7 x 1.1
- **TV WITH STAND:** 65.7 x 40 x 11.9
- **SHIPPING:** 74.2 x 44 x 7.5
- **STAND FOOTPRINT:** 16.4 x 10.4 x 11.9

WEIGHT (LB):

- **TV WITHOUT STAND:** 75.2
- **TV WITH STAND:** 87.5
- **SHIPPING:** 110.7

VESA SUPPORT: Yes (400 x 400)

ACCESSORIES INCLUDED IN BOX:

- **REMOTE MODEL:** TM2360E
- **POWER CABLE**
- **USER MANUAL**

Samsung Neo QLED QN90DD 4K TV

MODELS

MODEL: QN65QN90DD
ORDER CODE: QN65QN90DDFXZA

SCREEN SIZE CLASS: 65"

SCREEN DIAGONAL MEASUREMENT: 64.5"

UPC CODE: 887276818191

COUNTRY OF ORIGIN: Mexico

DIMENSIONS (INCHES W x H x D):

- **TV WITHOUT STAND:** 56.9 x 32.6 x 1.1
- **TV WITH STAND:** 56.9 x 35.1 x 10.7
- **SHIPPING:** 63.9 x 36.8 x 7.3
- **STAND FOOTPRINT:** 15.4 x 9.3 x 10.7

WEIGHT (LB):

- **TV WITHOUT STAND:** 53.4
- **TV WITH STAND:** 60.6
- **SHIPPING:** 78

VESA SUPPORT: Yes (400 x 300)

ACCESSORIES INCLUDED IN BOX:

- **REMOTE MODEL:** TM2360E
- **POWER CABLE**
- **USER MANUAL**

MODEL: QN55QN90DD
ORDER CODE: QN55QN90DDFXZA

SCREEN SIZE CLASS: 55"

SCREEN DIAGONAL MEASUREMENT: 54.6"

UPC CODE: 887276818184

COUNTRY OF ORIGIN: Mexico

DIMENSIONS (INCHES W x H x D):

- **TV WITHOUT STAND:** 48.3 x 27.8 x 1.1
- **TV WITH STAND:** 48.3 x 30.2 x 9.3
- **SHIPPING:** 57 x 32.5 x 6.7
- **STAND FOOTPRINT:** 15.3 x 8.5 x 9.3

WEIGHT (LB):

- **TV WITHOUT STAND:** 39
- **TV WITH STAND:** 45.4
- **SHIPPING:** 57.8

VESA SUPPORT: Yes (200 x 200)

ACCESSORIES INCLUDED IN BOX:

- **REMOTE MODEL:** TM2360E
- **POWER CABLE**
- **USER MANUAL**

Samsung Neo QLED QN90DD 4K TV

MODEL

MODEL: QN50QN90DD
ORDER CODE: QN50QN90DDFXZA

SCREEN SIZE CLASS: 50"

SCREEN DIAGONAL MEASUREMENT: 49.5"

UPC CODE: 887276818177

COUNTRY OF ORIGIN: Mexico

DIMENSIONS (INCHES W x H x D):

- **TV WITHOUT STAND:** 43.8 x 25.4 x 1.1
- **TV WITH STAND:** 43.8 x 27.8 x 8.7
- **SHIPPING:** 51.9 x 30.2 x 5.5
- **STAND FOOTPRINT:** 20.4 x 8.6 x 8.7

WEIGHT (LB):

- **TV WITHOUT STAND:** 39
- **TV WITH STAND:** 45.4
- **SHIPPING:** 57.8

VESA SUPPORT: Yes (200 x 200)

ACCESSORIES INCLUDED IN BOX:

- **REMOTE MODEL:** TM2360E
- **POWER CABLE**
- **USER MANUAL**

MODEL: QN43QN90DD
ORDER CODE: QN43QN90DDFXZA

SCREEN SIZE CLASS: 43"

SCREEN DIAGONAL MEASUREMENT: 42.5"

UPC CODE: 887276818160

COUNTRY OF ORIGIN: Mexico

DIMENSIONS (INCHES W x H x D):

- **TV WITHOUT STAND:** 37.8 x 22 x 1.1
- **TV WITH STAND:** 37.8 x 24.4 x 8.7
- **SHIPPING:** 45.8 x 26.3 x 5.5
- **STAND FOOTPRINT:** 20.4 x 8.6 x 8.7

WEIGHT (LB):

- **TV WITHOUT STAND:** 20.7
- **TV WITH STAND:** 29.5
- **SHIPPING:** 38.6

VESA SUPPORT: Yes (200 x 200)

ACCESSORIES INCLUDED IN BOX:

- **REMOTE MODEL:** TM2360E
- **POWER CABLE**
- **USER MANUAL**