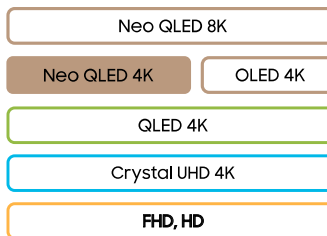




CLASS HIERARCHY



SIZE CLASS

115"	QNT15QN90F
98"	QN98QN90F
85"	QN85QN90F
75"	QN75QN90F
65"	QN65QN90F
55"	QN55QN90F
50"	QN50QN90F
43"	QN43QN90F



Our best 4K AI processor powers Samsung Vision AI<sup>1</sup> for enhanced picture, sound, and breakthrough TV experiences. Quantum Matrix Mini LEDs unlock bright detail on a glare-free screen, for distraction-free viewing in the bright rooms. Top speakers<sup>2</sup> provide multi-dimensional AI-enhanced<sup>3</sup> sound that tracks to on-screen motion.

TOP 10 KEY FEATURES

1. NQ4 AI Gen3 Processor<sup>4</sup>
2. 4K AI Upscaling Pro<sup>4</sup>
3. Glare Free
4. Neo Quantum HDR<sup>+</sup>
5. Motion Xcelerator 165Hz<sup>5</sup>
6. AI Motion Enhancer Pro<sup>3</sup>
7. Auto HDR Remastering Pro
8. Dolby Atmos
9. Endless Free Content / One UI Tizen<sup>6</sup>
10. Object Tracking Sound<sup>+</sup>

PICTURE (PANEL)

**Display Type:** Neo QLED 4K  
**Refresh Rate:** 115": 120Hz (Up to 144Hz)  
 98"-43": 120Hz (Up to 165Hz)  
**Lighting Technology:** Quantum Matrix Technology Plus  
**Display Resolution:** 4K (3,840 x 2,160)  
**Anti Reflection:** 115": Yes  
 98"-43": Glare Free  
**Viewing Angle:** Wide Viewing Angle  
**Dimming Technology:** Ultimate UHD Dimming

PICTURE (PROCESSING)

**Processor<sup>4</sup>:** NQ4 AI Gen3 Processor  
**Upscaling<sup>4</sup>:** 4K AI Upscaling Pro  
**Variable Refresh Rate (VRR):** Yes  
**Motion Handling<sup>5</sup>:**  
 115": Motion Xcelerator 144Hz  
 98"-43": Motion Xcelerator 165Hz  
**Contrast Enhancer:** Real Depth Enhancer Pro  
**Object Motion Enhancing:** AI Motion Enhancer Pro  
**Color:** Color Booster Pro  
**EyeComfort Pro:** Yes  
**HDR (High Dynamic Range):**  
 115"-55": Neo Quantum HDR+  
 50"-43": Neo Quantum HDR  
**HDR10+:** Yes (Adaptive/Gaming)  
**Auto HDR Remastering:** Pro  
**Adaptive Picture:** AI Optimized/AI Customization  
**Supersize Picture Enhancer:** 115", 98", 85" only

AUDIO

**Speaker Type:**  
 115"-55": 4.2.2CH    50": 2.2CH    43": 2CH  
**Output Power:**  
 115"-55": 60W    50": 40W    43": 20W  
**Dolby Atmos:** Yes  
**Object Tracking Sound (OTS):** 115"-55": OTS+  
 50"-43": OTS Lite

**Q-Symphony<sup>7</sup>:** Yes  
**Active Voice Amplifier (AVA):** AVA Pro  
**Adaptive Sound:** Pro  
**Bluetooth Audio:** Yes  
**360 Audio:** Yes

DESIGN

**TV Design:** NeoSlim  
**Bezel Type:** 115"-98": 3 Bezel-less  
 85": 4 Bezel-less  
 50": 3 Bezel-less  
**Front Color:** Titan Black  
**Stand Type:**  
 115": Metal Linear  
 98"-43": Sharp Neck Hexagon  
**Stand Color:** Titan Black  
**Adjustable Stand:** N/A

CONNECTIVITY

**Wi-Fi:** Yes (Wi-Fi 5)  
**Bluetooth:** Yes (BT5.3)  
**One Connect Box:** N/A  
**HDMI Input:** 4 Ports  
**HDMI Maximum Input Rate:**  
 115": 4K 144Hz (for HDMI 1/2/3/4)  
 98": 165Hz (for HDMI 1/2/3/4)  
**HDMI Audio Return Channel:** eARC  
**HDMI-CEC:** Yes  
**USB Ports:** 2 x USB-A  
**Ethernet (LAN):** 1  
**Digital Audio Out (Optical):** 1  
**RF Connection:** 1  
**RS-232C Input:** 1

SAMSUNG VISION AI<sup>1</sup>

**Live Translate:** Yes  
**Generative Wallpaper:** Yes  
**Pet & Family Care:** Yes

**Home Insight:** Yes  
**Universal Gesture/Quick Control:** Yes

TV ART FEATURES

**Art Mode:** N/A  
**Art Store<sup>8</sup>:** Yes

SMART TV FEATURES<sup>9</sup>

**Operating System<sup>6</sup>:** One UI Tizen  
**AI TV:** Samsung Vision AI<sup>1</sup>  
**Free Ad Supported TV:** Samsung TV Plus  
**Smart Home Connectivity<sup>10</sup>:** SmartThings, Matter, IoT-Sensor Functionality  
**Smart Assistants (Built-In):** Bixby, Alexa  
**Smart Assistants (Works with):** Google Assistant  
**Far-Field Voice Interactions:** Yes  
**Web Browser:** Yes  
**SmartThings Hub/Quick Remote/Matter Hub/IoT-Sensor Functionality:** Yes  
**Samsung Health<sup>11</sup>:** Yes  
**Multi Device Experience:** TV to Mobile, Mobile to TV, TV initiate mirroring, Sound Mirroring, Wireless TV On, Tap View  
**Multi-View:** Up to 2 Videos  
**Ambient Mode:** 115": Ambient Mode+  
 98": N/A  
**Buds Auto Switch:** Yes  
**Works with Apple Airplay:** Yes  
**Works with Google Cast:** Yes  
**Daily+:** Yes  
**Daily Board:** Voice/User Detection  
**Workout Tracker:** Yes  
**Karaoke Mic:** Yes  
**Multi-Control:** Yes  
**ConneCTime:** Yes  
**Screen Vitals:** Yes  
**Storage Share:** Yes

GAMING

**Gaming Hub<sup>12</sup>:** Yes  
**Cloud Gaming:** Yes - Xbox, NVIDIA GeForce Now, Luna, Blacknut, Antstream, Boosteroid, Utomik  
**Auto Game Mode:** AI Auto Game Mode  
**ALLM (Auto Low Latency Mode):** Yes  
**Game Motion Plus:** Yes  
**Super Ultra Wide Game View<sup>13</sup>:** Yes  
**Game Bar:** Yes  
**Mini Map Zoom:** Yes  
**VRR Standard:** FreeSync Premium™ Pro  
**HGiG:** Yes  
**Hue Sync:** Yes

SECURITY

**Knox Vault:** N/A  
**Knox Security:** Yes

POWER

**Power Supply (V):** 115": TBD  
 98"-43": AC110-120V~ 50/60Hz  
**Standby Power Consumption (W):** 115": TBD  
 98"-43": 0.5W  
**Typical Power Consumption (W):**  
 115": TBD    65": 140W  
 98": 227W    55": 116W  
 85": 207W    50": 85W  
 75": 163W    43": 72W  
**Max Power Consumption (W):**  
 115": TBD    65": 250W  
 98": 455W    55": 215W  
 85": 385W    50": 145W  
 75": 295W    43": 125W

INCLUDED ACCESSORIES

**Remote Control:** SolarCell™ Remote TM2560E  
**Power Cable:** Yes  
**Slim Fit Wall-mount Support:** 115": Included

## MODELS

MODEL: QN115QN90F  
ORDER CODE: QN115QN90FFXZA

SCREEN SIZE CLASS: 115"

SCREEN DIAGONAL MEASUREMENT: TBD

UPC CODE: 887276993065

COUNTRY OF ORIGIN: Vietnam

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

- TV WITHOUT STAND: TBD
- TV WITH STAND (LOWEST): TBD
- SHIPPING: TBD
- STAND FOOTPRINT: TBD

## WEIGHT (LB):

- TV WITHOUT STAND: TBD
- TV WITH STAND: TBD
- SHIPPING: TBD
- STAND WEIGHT: TBD

VESA SUPPORT: TBD

## ACCESSORIES INCLUDED IN BOX:

- REMOTE MODEL: SOLARCELL™ REMOTE TM2560E
- POWER CABLE
- USER MANUAL

MODEL: QN98QN90F  
ORDER CODE: QN98QN90FAFXZA

SCREEN SIZE CLASS: 98"

SCREEN DIAGONAL MEASUREMENT: 97.5"

UPC CODE: 887276934518

COUNTRY OF ORIGIN: Mexico

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

- TV WITHOUT STAND: 86 X 49.2 X 1.2
- TV WITH STAND (LOWEST): 86 X 51.4 X 14.4
- SHIPPING: 93.3 X 55.9 X 10.8
- STAND FOOTPRINT: 18.9 X 11.2 X 14.4

## WEIGHT (LB):

- TV WITHOUT STAND: 135.4
- TV WITH STAND: 155.6
- SHIPPING: 204.4
- STAND WEIGHT: 20.3

VESA SUPPORT: Yes (600 x 400)

## ACCESSORIES INCLUDED IN BOX:

- REMOTE MODEL: SOLARCELL™ REMOTE TM2560E
- POWER CABLE
- USER MANUAL

MODEL: QN85QN90F  
ORDER CODE: QN85QN90FAFXZA

SCREEN SIZE CLASS: 85"

SCREEN DIAGONAL MEASUREMENT: 84.5"

UPC CODE: 887276934563

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 (LOWEST): 74.5 X 45 X 12.6
- SHIPPING: 84.3 X 49 X 9.1
- STAND FOOTPRINT: 16.4 X 8.9 X 12.6

## WEIGHT (LB):

- TV WITHOUT STAND: 95.9
- TV WITH STAND: 110
- SHIPPING: 139.6
- STAND WEIGHT: 14.1

VESA SUPPORT: YES (600 X 400)

## ACCESSORIES INCLUDED IN BOX:

- REMOTE MODEL: SOLARCELL™ REMOTE TM2560E
- POWER CABLE
- USER MANUAL

MODEL: QN75QN90F  
ORDER CODE: QN75QN90FAFXZA

SCREEN SIZE CLASS: 75"

SCREEN DIAGONAL MEASUREMENT: 74.5"

UPC CODE: 887276934525

COUNTRY OF ORIGIN: Mexico

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

- TV WITHOUT STAND: 65.7 X 25.9 X 1.1
- TV WITH STAND (LOWEST): 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
- STAND WEIGHT: 12.3

VESA SUPPORT: Yes (400 x 400)

## ACCESSORIES INCLUDED IN BOX:

- REMOTE MODEL: SOLARCELL™ REMOTE TM2560E
- POWER CABLE
- USER MANUAL



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<sup>1</sup>Samsung Vision AI features vary by model, see individual model for more info.  
<sup>2</sup>QN90F 50", 43" have 2.2 and 2 channel speakers respectively.

<sup>3</sup>Utilizes AI-Based formulas.

<sup>4</sup>Utilizes AI-Based formulas to upscale to 4K resolution. Resulting picture may vary based on source content.

<sup>5</sup>4K 165Hz is only available with PC connected games that support such specifications (PC graphic card required). Performance may vary.

<sup>6</sup>Samsung Account required for network-based smart services, including streaming apps and other smart features. Computer, mobile or other device may be necessary to create/login to Samsung Account (free to download and create). Without Account login, only external device connections (e.g., via HDMI) and terrestrial/over-the-air TV (only for TVs with tuners) available. Channels may vary by location and are subject to change. UI is subject to change without prior notice.

<sup>7</sup>Q-Symphony requires a compatible 2020-2025 Samsung TV. Please refer to samsung.com for more information.

<sup>8</sup>Fees apply to subscription service. Art pieces in the Art Store are subject to change without prior notice.

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<sup>11</sup>Subscriptions may be required for some services. Smart Trainer support devices may vary by country.

<sup>12</sup>High speed internet connection, additional gaming service subscriptions and compatible controller required.

<sup>13</sup>Super Ultrawide Game View is supported for PC games only. This is feature is only available for ultra wide supported games. Some game titles may not support this function or may be limited to use this feature. Screen resolution change from external device may be required.

## MODELS

MODEL: QN65QN90F  
ORDER CODE: QN65QN90FAFXZA

SCREEN SIZE CLASS: 65"

SCREEN DIAGONAL MEASUREMENT: 64.5"

UPC CODE: 887276934556

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 (LOWEST): 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
- STAND WEIGHT: 7.3

VESA SUPPORT: YES (400 x 300)

## ACCESSORIES INCLUDED IN BOX:

- REMOTE MODEL: SOLARCELL™ REMOTE TM2560E
- POWER CABLE
- USER MANUAL

WARRANTY: [CLICK HERE](#)

MODEL: QN55QN90F  
ORDER CODE: QN55QN90FAFXZA

SCREEN SIZE CLASS: 55"

SCREEN DIAGONAL MEASUREMENT: 54.6"

UPC CODE: 887276934549

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 (LOWEST): 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
- STAND WEIGHT: 6.4

VESA SUPPORT: YES (200 X 200)

## ACCESSORIES INCLUDED IN BOX:

- REMOTE MODEL: SOLARCELL™ REMOTE TM2560E
- POWER CABLE
- USER MANUAL

WARRANTY: [CLICK HERE](#)

MODEL: QN55QN90F  
ORDER CODE: QN55QN90FAFXZA

SCREEN SIZE CLASS: 55"

SCREEN DIAGONAL MEASUREMENT: 54.6"

UPC CODE: 887276934549

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 (LOWEST): 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
- STAND WEIGHT: 6.4

VESA SUPPORT: YES (200 X 200)

## ACCESSORIES INCLUDED IN BOX:

- REMOTE MODEL: SOLARCELL™ REMOTE TM2560E
- POWER CABLE
- USER MANUAL

WARRANTY: [CLICK HERE](#)

MODEL: QN43QN90F  
ORDER CODE: QN43QN90FAFXZA

SCREEN SIZE CLASS: 43"

SCREEN DIAGONAL MEASUREMENT: 42.5"

UPC CODE: 887276934501

COUNTRY OF ORIGIN: Mexico

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

- TV WITHOUT STAND: 37.8 X 22 X 1.1
- TV WITH STAND (LOWEST): 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
- STAND WEIGHT: 8.8

VESA SUPPORT: Yes (200 x 200)

## ACCESSORIES INCLUDED IN BOX:

- REMOTE MODEL: SOLARCELL™ REMOTE TM2560E
- POWER CABLE
- USER MANUAL

WARRANTY: [CLICK HERE](#)



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<sup>2</sup>QN90F 50", 43" have 2.2 and 2 channel speakers respectively.

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