

CLASS HIFRARCHY

Neo QLED 8K Neo QLED 4K OLED 4K QLED 4K Crystal UHD 4K FHD. HD

SIZE CLASS

115"	QN115QN90F
98"	QN98QN90F
85"	QN85QN90F
75"	QN75QN90F
65"	QN65QN90F
55"	QN55QN90F
50"	QN50QN90F
43"	QN43QN90F

Samsuna Vision AI *

■■Dolby Atmos









Our best 4K AI processor powers Samsung Vision AI1 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 speakers2 provide multi-dimensional AI-enhanced3 sound that tracks to on-screen motion.

TOP 10 KEY FEATURES

- 1. NQ4 AI Gen3 Processor4
- 2. 4K Al Upscaling Pro4
- 3. Glare Free
- 4. Neo Ouantum HDR+
- Motion Xcelerator 165Hz5

- 6. Al Motion Enhancer Pro³
- Auto HDR Remastering Pro
- Dolby Atmos
- Endless Free Content / One UI Tizen⁶
- 10. Object Tracking Sound+

PICTURE (PANEL)

Display Type: Neo QLED 4K

PICTURE (PROCESSING)

Motion Handling5:

Enhancer Pro

Color: Color Booster Pro

EyeComfort Pro: Yes

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:

Processor4: NQ4 AI Gen3 Processor

Upscaling4: 4K AI Upscaling Pro

Variable Refresh Rate (VRR): Yes

115": Motion Xcelerator 144Hz

98"-43": Motion Xcelerator165Hz

50"-43": Neo Quantum HDR

Contrast Enhancer: Real Depth Enhancer Pro

Object Motion Enhancing: Al Motion

HDR10+: Yes (Adaptive/Gaming)

Auto HDR Remastering: Pro

98"-43": Glare Free Viewing Angle: Wide Viewing Angle

Dimming Technology: Ultimate UHD Dimming

TV Design: NeoSlim

Bezel Type: 115"-98": 3 Bezel-less 85": 4 Bezel-less

Stand Type:

115": Metal Linear 98"-43": Sharp Neck Hexagon

Stand Color: Titan Black Adjustable Stand: N/A

CONNECTIVITY

Bluetooth: Yes (BT5.3)

HDR (High Dynamic Range): 115"-55": Neo Quantum HDR+

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

RS-232C Input: 1

AUDIO

Speaker Type:

115"-55": 4.2.2CH 50": 2.2CH 43": 2CH **Output Power:**

Adaptive Picture: AI Optimized/AI Customization

Supersize Picture Enhancer: 115", 98", 85" only

115"-55": 60W 50": 40W 43": 20W

Dolby Atmos: Yes

Object Tracking 115"-55": OTS+ Sound (OTS): 50"-43": OTS Lite

Q-Symphony7: Yes

Active Voice Amplifier (AVA): AVA Pro

Adaptive Sound: Pro

Bluetooth Audio: Yes

360 Audio: Yes

DESIGN

50": 3 Bezel-less

Front Color: Titan Black

Wi-Fi Yes (Wi-Fi 5)

One Connect Box: N/A

HDMI Input: 4 Ports

HDMI Maximum Input Rate:

115": 4K144Hz (for HDMI 1/2/3/4)

RF Connection: 1

SAMSUNG VISION AI1

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 Store8: Yes

SMART TV FEATURES9

Operating System⁶: One UI Tizen

Al TV: Samsung Vision Al1

Free Ad Supported TV: Samsung TV Plus

Smart Home Connectivity¹⁰: 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 Health¹¹: 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

115": Ambient Mode+ Ambient Mode:

98": N/A

Buds Auto Switch: Yes

Works with Apple Airplay: Yes

Works with Google Cast: Yes

Dailv+: 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 Hub12: Yes

Cloud Gaming: Yes - Xbox, NVIDIA GeForce Now, Luna, Blacknut, Antstream,

Boosteroid, Utomik Auto Game Mode: Al Auto Game Mode

ALLM (Auto Low Latency Mode): Yes

Game Motion Plus: Yes

Super Ultra Wide Game View¹³: 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 115": TBD

Supply (V): 98"-43": AC110-120V~ 50/60Hz

Standby Power 115": TBD Consumption (W): 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 WITH STAND (LOWEST): TBD
- SHIPPING: 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

WARRANTY: CLICK HERE

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: 1396
- STAND WEIGHT: 14.1

VESA SUPPORT: YES (600 X 400)

ACCESSORIES INCLUDED IN BOX:

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

WARRANTY: CLICK HERE

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

WARRANTY: CLICK HERE

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
- · STAND WEIGHT: 12 3

VESA SUPPORT: Yes (400 x 400)

ACCESSORIES INCLUDED IN BOX:

- · REMOTE MODEL: SOLARCELL™ REMOTE TM2560E
- POWER CABLE

WARRANTY: CLICK HERE

Samsung Vision Al features vary by model; see individual model for more info. QN90F 50°, 43° have 2.2 and 2 channel speakers respectively. Utilizes Al-Based formulas.

**Cliptors 197, 45" have 2.2 and 2 channes speakers respectively.

**Unitizes A-Based formulas

**Samuna 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.

**Samuna Account required for some services. A frainer support device may be required.

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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 73
- 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: 73

VESA SUPPORT: YES (400 x 300)

ACCESSORIES INCLUDED IN BOX:

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

WARRANTY: CLICK HERE

MODEL: QN50QN90F ORDER CODE: QN50QN90FAFXZA

SCREEN SIZE CLASS: 50"

SCREEN DIAGONAL MEASUREMENT: 49.5'

UPC CODE: 887276934532

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 (LOWEST): 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: 29.8
- TV WITH STAND: 38.8
- SHIPPING: 496
- STAND WEIGHT: 9

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 67
- 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: 64

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

WARRANTY: CLICK HERE

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