CLASS HIERARCHY

Neo QLED 8K

Neo QLED 4K | OLED 4K

QLED 4K

Crystal UHD 4K

FHD, HD

SIZE CLASS

98”	QN98QN990F
85”	QN85QN990F
75”	QN75QN990F
65”	QN65QN990F

Samsung Vision AI | Dolby Atmos | HDR10+ ADAPTIVE / GAMING | alexa built-in | SmartThings | PANTONE Validated

Our best 8K TV features phenomenally sharp picture with immersive sound and breakthrough experiences powered by our most advanced processor and Samsung Vision AI[1]. Nearly edgeless design and a glare-free screen are complemented by a wireless connection hub[2] for a clutter-free, modern design.

TOP 10 KEY FEATURES

1. NQ8 AI Gen3 Processor[3]
2. 8K AI Upscaling Pro[3]
3. Wireless One Connect[4]
4. Glare Free
5. Motion Xcelerator 240Hz[5]
6. AI Motion Enhancer Pro[6]
7. Auto HDR Remastering
8. Dolby Atmos and Object Tracking Sound Pro
9. Endless Free Content / One UI Tizen[7]
10. AI Customization Mode[6]

PICTURE (PANEL)

Display Type: Neo QLED 8K

Refresh Rate:
98”: 120Hz
85”-65”: 120Hz (Up to 4K 240Hz)

Lighting Technology: Quantum Matrix Technology Pro

Display Resolution: 8K (7,680 x 4,320)

Anti Reflection: Glare Free

Viewing Angle: Ultra Viewing Angle

Dimming Technology: Ultimate 8K Dimming Pro

PICTURE (PROCESSING)

Processor[3]: NQ8 AI Gen3 Processor

Upscaling[3]: 8K AI Upscaling Pro

Variable Refresh Rate (VRR): Yes

Motion Handling[5]:
98”: Motion Xcelerator 120Hz
85”-65”: Motion Xcelerator 240Hz

Contrast Enhancer: Real Depth Enhancer Pro

Object Motion Enhancing[6]: AI Motion Enhancer Pro

Color: Color Booster Pro

EyeComfort Mode: Yes

HDR (High Dynamic Range):
98”-75”: Neo Quantum HDR 8K Pro
65”: Neo Quantum HDR 8K+

HDR10+: Yes (Adaptive/Gaming)

Auto HDR Remastering: Pro

Adaptive Picture[6]: AI Optimized/AI Customization

Supersize Picture Enhancer: 98” and 85” only

AUDIO

Speaker Type: 98”: 6.4.4CH; 85”-65”: 6.2.4CH

Output Power: 98”: 120W; 85”-65”: 90W

Dolby Atmos: Yes

Object Tracing Sound (OTS): OTS Pro

Q-Symphony[8]: Yes

Active Voice Amplifier (AVA): AVA Pro

Adaptive Sound: Pro

Bluetooth Audio: Yes

360 Audio: Yes

DESIGN

TV Design: 98”: Infinity One; 85”-65”: Infinity Air

Bezel Type: 98”: 4 Bezel-less Zero; 85”-65”: Zero Bezel

Front Color: Graphite Black

Stand Type: 98”: Slim OC Stand; 85”-65”: Infinity Air Stand

Stand Color: Space Graphite

Adjustable Stand: N/A

CONNECTIVITY

Wi-Fi: Yes (Wi-Fi 6E)

Bluetooth: BT5.3

One Connect Box[4]: Wireless One Connect

One Connect Box Holder: 98” only

HDMI Input: 5 Ports

HDMI Maximum Input Rate:
98”: 8K120Hz, 4K120Hz (For HDMI 1/2/3/4/5)
85”-65”: 8K120Hz, 4K 240Hz (For HDMI 1/2/3/4/5)

HDMI Audio Return Channel: eARC

HDMI-CEC: Yes

USB Ports: 3 x USB-A, 1 x USB-C

Ethernet (LAN): 1

Digital Audio Out (Optical): 1

RF Connection: 1

RS-232C Input: 1

SAMSUNG VISION AI[1]

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[9]: Yes

SMART TV FEATURES[10]

Operating System[7]: One UI Tizen

AI TV: Samsung Vision AI[1]

Free Ad Supported TV: Samsung TV Plus

Smart Home Connectivity[11]: 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[12]: Yes

Multi Device Experience: TV to Mobile, Mobile to TV, TV initiate mirroring, Sound Mirroring, Wireless TV On, Tap View

Multi-View: Up to 4 Videos

Ambient Mode: 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[13]: 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[14]: Yes

Game Bar: Yes

Mini Map Zoom: Yes

VRR Standard: FreeSync Premium™ Pro

HGiG: Yes

Hue Sync: Yes

SECURITY

Knox Vault: Yes

Knox Security: Yes

POWER

Power Supply (V): AC110-120V~ 50/60Hz

Standby Power Consumption (W):
98”: TBD; 75”: 0.5W
85”: 0.5W; 65”: 0.5W

Typical Power Consumption (W):
98”: TBD; 75”: 327W
85”: 362W; 65”: 310W

Energy Saving Consumption (W): TBD

Max Power Consumption (W):
98”: TBD; 75”: 375W
85”: 415W; 65”: 335W

INCLUDED ACCESSORIES

Remote Control: SolarCell Remote TM2560E

Wireless One Connect Box[4]: Yes

Power Cable: Yes

MODELS

MODEL: QN98QN990F
ORDER CODE: QN98QN990FFXZA

SCREEN SIZE CLASS: 98"

SCREEN DIAGONAL MEASUREMENT: 97.5"

UPC CODE: 887276944692

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 (LOWEST): 85.8 X 51.8 X 14.6
- SHIPPING: 93.3 X 55.9 X 9.1
- STAND FOOTPRINT: 16.5 X 14.6 X 11.5

WEIGHT (LB):
- TV WITHOUT STAND: 149.9
- TV WITH STAND: 190.7
- SHIPPING: 247.8
- STAND WEIGHT: 40.8

VESA SUPPORT: YES (600 X 400)

ACCESSORIES INCLUDED IN BOX:
- REMOTE MODEL: SOLARCELL™ REMOTE
- WIRELESS ONE CONNECT BOX[4]
- POWER CABLE
- USER MANUAL

WARRANTY: CLICK HERE

MODEL: QN85QN990F
ORDER CODE: QN85QN990FFXZA

SCREEN SIZE CLASS: 85"

SCREEN DIAGONAL MEASUREMENT: 84.5"

UPC CODE: 887276944685

COUNTRY OF ORIGIN: MEXICO

DIMENSIONS (INCHES W X H X D):
- TV WITHOUT STAND: 73.9 X 42 X 0.5
- TV WITH STAND (LOWEST): 73.9 X 45.1 X 12
- SHIPPING: 80.8 X 49.4 X 8.7
- STAND FOOTPRINT: 14.6 X 12 X 12

WEIGHT (LB):
- TV WITHOUT STAND: 94.1
- TV WITH STAND: 117.7
- SHIPPING: 154.8
- STAND WEIGHT: 23.6

VESA SUPPORT: YES (600 X 400)

ACCESSORIES INCLUDED IN BOX:
- REMOTE MODEL: SOLARCELL™ REMOTE
- WIRELESS ONE CONNECT BOX[4]
- POWER CABLE
- USER MANUAL

WARRANTY: CLICK HERE

MODEL: QN75QN990F
ORDER CODE: QN75QN990FFXZA

SCREEN SIZE CLASS: 75"

SCREEN DIAGONAL MEASUREMENT: 74.5"

UPC CODE: 887276944678

COUNTRY OF ORIGIN: MEXICO

DIMENSIONS (INCHES W X H X D):
- TV WITHOUT STAND: 65.2 X 37 X 0.5
- TV WITH STAND (LOWEST): 65.2 X 40.1 X 11.2
- SHIPPING: 71.4 X 44.3 X 7.5
- STAND FOOTPRINT: 14.6 X 11.9 X 11.2

WEIGHT (LB):
- TV WITHOUT STAND: 67.9
- TV WITH STAND: 89.1
- SHIPPING: 119.3
- STAND WEIGHT: 21.3

VESA SUPPORT: YES (400 X 300)

ACCESSORIES INCLUDED IN BOX:
- REMOTE MODEL: SOLARCELL™ REMOTE
- WIRELESS ONE CONNECT BOX[4]
- POWER CABLE
- USER MANUAL

WARRANTY: CLICK HERE

MODEL: QN65QN990F
ORDER CODE: QN65QN990FFXZA

SCREEN SIZE CLASS: 65"

SCREEN DIAGONAL MEASUREMENT: 64.5"

UPC CODE: 887276936789

COUNTRY OF ORIGIN: MEXICO

DIMENSIONS (INCHES W X H X D):
- TV WITHOUT STAND: 56.4 X 32.1 X 0.5
- TV WITH STAND (LOWEST): 56.4 X 35.1 X 10.5
- SHIPPING: 64 X 36.8 X 7.5
- STAND FOOTPRINT: 14.6 X 11.9 X 10.5

WEIGHT (LB):
- TV WITHOUT STAND: 47.6
- TV WITH STAND: 66.6
- SHIPPING: 91.1
- STAND WEIGHT: 19

VESA SUPPORT: YES (400 X 300)

ACCESSORIES INCLUDED IN BOX:
- REMOTE MODEL: SOLARCELL™ REMOTE
- WIRELESS ONE CONNECT BOX[4]
- POWER CABLE
- USER MANUAL

WARRANTY: CLICK HERE

[1]Samsung Vision AI features vary by model; see individual model for more info.
[2]TV and Wireless One Connect require separate power cord connections. Wireless One Connect [only] connects to TV via [included] peer-to-peer WiFi and is omni-directional up to 30 feet; connection may be affected by surrounding environment, may not connect when enclosed or when blocked by metal (e.g., from inside a metal cabinet) or by other physical objects such as walls.
[3]Utilizes AI-Based formulas to upscale to 8K resolution. Resulting picture may vary based on source content.
[4]Wireless One Connect must be connected to the TV wirelessly for full TV functionality. Wireless connection may be affected by surrounding environment, may not connect when enclosed or blocked by metal (e.g., from inside a metal cabinet) or by other physical objects such as walls. TV and Wireless One Connect require separate power cord connections.
[5]4K 240Hz is only available with PC connected games that support such specifications (PC graphic card required). Performance may vary.
[6]Utilizes AI-Based formulas
[7]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/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. Channels may vary by location and are subject to change. UI is subject to change without prior notice.
[8]Q-Symphony requires a compatible 2020-2025 Samsung TV. Please refer to samsung.com for more information.
[9]Fees apply to subscription service. Art pieces in the Art Store are subject to change without prior notice.
[10]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 into 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.
[11]SmartThings require compatible devices only. SmartThings app download may be required.
[12]Subscriptions may be required for some services. Smart Trainer support devices may vary by country.
[13]High speed internet connection, additional gaming service subscriptions and compatible controller required.
[14]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.