

CLASS HIFRARCHY

Neo QLED 8K Neo QLED 4K OLED 4K QLED 4K Crystal UHD 4K

FHD. HD

SIZE CLASS

98"	QN98QN90F

Samsung 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. Supersize Picture Enhancer
- 3. Glare Free
- 4. Neo Quantum HDR+
- 4K AI Upscaling Pro4

- Motion Xcelerator 165Hz5
- Al Motion Enhancer Pro3
- Auto HDR Remastering Pro
- Dolby Atmos
- 10. Endless Free Content⁶

PICTURE (PANEL)

Display Type: Neo QLED 4K

Refresh Rate: 120Hz (Up to 165Hz)

Lighting Technology: Quantum Matrix

Technology Plus

Display Resolution: 4K (3,840 x 2,160)

Anti Reflection: Glare Free

Viewing Angle: Wide Viewing Angle

Dimming Technology: Ultimate UHD Dimming

PICTURE (PROCESSING)

Processor: NQ4 AI Gen3 Processor4

Upscaling: 4K AI Upscaling Pro4

Variable Refresh Rate (VRR): Yes

Motion Handling: Motion Xcelerator 165Hz⁵

Contrast Enhancer: Real Depth Enhancer Pro

Object Motion Enhancing: Al Motion

Enhancer Pro

Color: Color Booster Pro

EyeComfort Pro: Yes

HDR (High Dynamic Range): Neo Quantum

HDR+

HDR10+: Yes (Adaptive/Gaming)

Auto HDR Remastering: Pro

Adaptive Picture: Al Optimized/Al

Customization

Supersize Picture Enhancer: Yes

AUDIO

Speaker Type: 4.2.2CH

Output Power: 60W

Dolby Atmos: Yes

Object Tracking Sound (OTS): OTS+

Q-Symphony: Yes

Active Voice Amplifier (AVA): AVA Pro

Adaptive Sound: Pro

Bluetooth Audio: Yes

360 Audio: Yes

DESIGN

TV Design: NeoSlim

Bezel Type: 3 Bezel-less

Front Color: Titan Black

Stand Type: 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: 165Hz (for

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 AI1

Live Translate: Yes7

Click to Search: Yes8

Generative Wallpaper: Yes

Pet & Family Care: Yes

Home Insight: Yes

Universal Gesture/Quick Control: Yes

TV ART FEATURES

Art Mode: N/A

Art Store: Yes9

SMART TV FEATURES⁶

Operating System: One UI Tizen¹⁰

Al TV: Samsung Vision Al¹

Free Ad Supported TV: Samsung TV Plus

Smart Home Connectivity: SmartThings,

Matter, IoT-Sensor Functionality11

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: Yes12

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: N/A

Buds Auto Switch: Yes

Works with Apple Airplay: Yes

Works with Google Cast: 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: Yes13

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 View: Yes14

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): AC110-120V~ 50/60Hz

Standby Power Consumption (W): 0.5W

Typical Power Consumption (W): 227W

Max Power Consumption (W): 455W

INCLUDED ACCESSORIES

Remote Control: SolarCell™ Remote TM2560E

Power Cable: Yes

Slim Fit Wall-mount Support: Yes

MODELS

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

Samsung Vision AI features vary by model; see individual model for more info.
(2)NOPIS 55/ 45 have 2.2 and 2 channel speakers respectively.

**Unitializes AI-Based formulas

**Samsung Account required for retwork-based samst 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 Twen the Unitializes AI-Based International Accounts (e.g., via HDMI) and terrestrial/over-the-air TV (only for Twen the Unitializes AI-Based International Air and are subject to change without Account log in, only external device connections (e.g., via HDMI) and terrestrial/over-the-air TV (only for Twen the Unitial Air Analysis of Twen Air Analysis of Twen