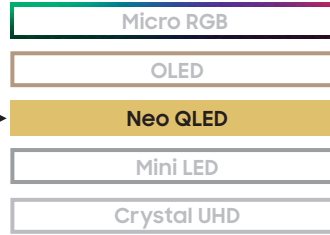




CLASS HIERARCHY



SIZE CLASS

85"	QN85QN990HFXZA



Immerse yourself in breathtakingly crisp 8K resolution, enhanced by our most powerful AI processor.*

TOP 10 KEY FEATURES

- | | |
|---------------------------|--|
| 1. NQ8 AI Gen 3 Processor | 6. Motion Xcelerator 240Hz |
| 2. Quantum Mini LED Pro | 7. AI Motion Enhancer Pro |
| 3. Glare Free | 8. Auto HDR Remastering Pro |
| 4. Wireless One Connect | 9. Dolby Atmos and Object Tracking Sound Pro |
| 5. 8K AI Upscaling Pro | 10. AI Customization Mode |

PICTURE (PANEL)

- Display Type: Neo QLED 8K
- Refresh Rate: 240Hz (VRR Support)
- Lighting Technology: Quantum Mini LED 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: NQ8 AI Gen3 Processor³
- Upscaling: 8K AI Upscaling Pro³
- Variable Refresh Rate (VRR): Yes
- Motion Handling: Motion Xcelerator 240Hz²
- DLG (Dual Line Gate): 240Hz
- Contrast Enhancer: Yes
- Color: Quantum Dot Display
- Color Booster: Pro¹
- EyeComfort Mode: Yes
- HDR (High Dynamic Range): Neo Quantum HDR 8K Pro
- HDR10+: Yes (Adaptive/Gaming/Advanced)
- Auto HDR Remastering: Pro
- Adaptive Picture: AI Optimized / AI Customization
- Supersize Picture Enhancer: Yes

AUDIO

- Speaker Type: 6.2.4CH
- Output Power (W): 90W
- Dolby Atmos: Yes
- Object Tracking Sound (OTS): OTS Pro
- Q-Symphony: Yes⁵
- Active Voice Amplifier (AVA): AVA Pro
- Adaptive Sound: Pro
- Bluetooth Audio: Yes
- 360 Audio: Yes

DESIGN

- TV Design: Infinity Air
- Bezel Type: Zero Bezel
- Front Color: Graphite Black
- Stand Type: Infinity Air Stand
- Stand Color: Space Graphite
- Adjustable Stand: N/A

CONNECTIVITY

- Wi-Fi: Yes (Wi-Fi 6E)
- Bluetooth: Yes (BT5.3)
- One Connect Box: Wireless One Connect⁴
- One Connect Box Holder: N/A
- HDMI Inputs⁶: 5 Ports
- HDMI Maximum Input Rate: 4K 240Hz (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): Yes
- Digital Audio Out (Optical): Yes
- RF Connection: Yes
- RS-232C Input: Yes

Samsung Vision AI⁷

- Vision AI Companion: Yes⁴
- AI Soccer Mode: Pro
- AI Sound Controller: Pro
- Live Translate: Yes
- Generative Wallpaper: Yes
- Multi AI Agents (Copilot & Perplexity): Yes
- Pet & Family Care: Yes
- Home Insight: Yes:

TV ART FEATURES

- Art Mode: NA
- Art Store: Yes⁸

SMART TV FEATURES⁹

- Operating System: One UI Tizen
- Free Ad Support TV: Samsung TV Plus
- Smart Home Connectivity: SmartThings¹⁰, Matter, IoT-Sensor Functionality
- Smart Assistants (Built-In): Bixby, Alexa
- Smart Assistants (Works with): Google Assistant
- Far-Field Voice Interactions: Yes
- Web Browser: Yes
- Samsung Health: Yes¹¹
- Multi Device Experience: Mobile to TV, TV initiate mirroring, Sound Mirroring, Wireless TV On
- Multi-View: Up to 4 videos
- Buds Auto Switch: Yes
- Works with Apple Airplay: Yes
- Works with Google Cast: Yes
- Daily+: Yes
- Now Brief: Voice/User Detection
- Workout Tracker: Yes
- Karaoke Mic: Yes¹²
- Multi-Control: Yes
- Storage Share: Yes

GAMING

- Gaming Hub: Yes¹³
- 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
- AMD FreeSync: Freesync Premium™ Pro
- NVIDIA G-SYNC: N/A
- HGIG: Yes
- Hue Sync: Yes

SECURITY

- Knox Vault: Yes
- Knox Security: Yes

POWER

- Power Supply (V): AC110-120V ~ 50/60Hz
- Stand-by Power Consumption (W): 0.5
- Eco Sensor: Yes
- Auto Power Saving: Yes
- Auto Power Off: Yes

INCLUDED ACCESSORIES

- Remote Control: BT Solarcell Remote TM2660
- Wireless One Connect Box: Yes
- Slim Fit Wall Mount: Yes
- Power Cable: Yes

MODELS

MODEL: QN85QN990H
ORDER CODE: QN85QN990HFXZA

SCREEN SIZE CLASS: 85"

SCREEN DIAGONAL MEASUREMENT: 84.5"

UPC CODE: 198957301810

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: 118
- TV with Stand: 94
- Shipping: 155

VESA SUPPORT: YES (600 X 400)

ACCESSORIES INCLUDED IN BOX:

- Remote Model: BT Solarcell Remote TM2660
- WIRELESS ONE CONNECT BOX
- Slim Fit Wall Mount
- Power Cable
- USER Manual

WARRANTY: [CLICK HERE](#)

¹Utilizes AI-Based formulas.

²Utilizes AI-Based formulas to upscale to 4K resolution. Resulting picture may vary based on source content.

³4K 144Hz is only available with PC-connected games that support such specifications (PC graphic card required). Performance may vary.

⁴AI inputs and queries may be recorded and shared with 3rd party providers. Requires Samsung account and consent to Viewing Information Service; must be 18 years or older. Accuracy not guaranteed. Check results. Utilizes AI-based formulas.

⁵Q-Symphony requires a compatible 2020-2026 Samsung TV. Please refer to [samsung.com](https://www.samsung.com) for more information.

⁶HDMI-CEC (Consumer Electronics Control) facilitates convenient control functions with compatible devices.

⁷Samsung Vision AI features vary by model; see individual model for more info.

⁸Fees apply to subscription service.

⁹Samsung 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.

¹⁰SmartThings require compatible devices only. SmartThings app download may be required.

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

¹²Requires SmartThings app to be installed on the mobile device and connected via the same Wi-Fi network as the TV set. Mobile mic is compatible only with Galaxy S23 or later models and iPhone 15 & above. You must download the Karaoke app from Tizen to use the Karaoke function. An additional paid subscription is required for this service after 6 months of free use. (Users can access 5 songs per day for free without a subscription.)

¹³High speed internet connection, additional gaming service subscriptions and compatible controller required.

¹⁴Super 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.