



CLASS HIERARCHY

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

SIZE CLASS

85"	QN85QN80F
75"	QN75QN80F
65"	QN65QN80F
55"	QN55QN80F



Samsung Vision AI¹ enhances amazingly detailed picture powered by individual mini-LED zones, multi-dimensional sound that tracks to the action, and breakthrough TV experiences. Plus get vivid color and motion handling for 4K clarity without compromise.

TOP 10 KEY FEATURES

1. NQ4 AI Gen2 Processor ²	6. Auto HDR Remastering
2. Quantum Matrix Technology Core	7. Color Booster Pro ⁴
3. 4K AI Upscaling ²	8. Object Tracking Sound Lite
4. Dolby Atmos	9. Endless Free Content ⁵
5. Motion Xcelerator 144Hz ³	10. Active Voice Amplifier Pro and Adaptive Sound Pro

PICTURE (PANEL)

Display Type: Neo QLED 4K
Refresh Rate: 120Hz (Up to 144Hz)
Lighting Technology: Quantum Matrix Technology Core
Display Resolution: 4K (3,840 x 2,160)
Anti Reflection: N/A
Viewing Angle: Wide Viewing Angle
Dimming Technology: Supreme UHD Dimming

PICTURE (PROCESSING)

Processor: NQ4 AI Gen2 Processor ²
Upscaling: 4K AI Upscaling ²
Variable Refresh Rate (VRR): Yes
Motion Handling: Motion Xcelerator 144Hz ³
Contrast Enhancer: Real Depth Enhancer
Color: Color Booster Pro ⁴
EyeComfort Pro: Yes
HDR (High Dynamic Range): Neo Quantum HDR
HDR10+: Yes (Adaptive/Gaming)
Auto HDR Remastering: Yes
Adaptive Picture: AI Optimized/AI Customization ⁴
Supersize Picture Enhancer: 85"

AUDIO

Speaker Type: 4Ch
Output Power: 30W
Dolby Atmos: Yes
Object Tracking Sound (OTS): OTS Lite
Q-Symphony: Yes ⁶
Active Voice Amplifier (AVA): AVA Pro
Adaptive Sound: Pro
Bluetooth Audio: Yes
360 Audio: Yes

DESIGN

TV Design: Simple Chamfer
Bezel Type: 3 Bezel-less
Front Color: Titan Black
Stand Type: Aero Center
Stand Color: 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: 4K 144Hz (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 AI¹

Live Translate: Yes ⁷
Click to Search: Yes ⁸
Generative Wallpaper: Yes
Pet & Family Care: Yes
Home Insight: Yes
Universal Gesture/Quick Control: Yes

TV ART FEATURES

Art Mode: N/A
Art Store: Yes ⁹

SMART TV FEATURES¹⁰

Operating System: One UI Tizen ¹¹
AI TV: Samsung Vision AI ¹
Free Ad Supported TV: Samsung TV Plus
Smart Home Connectivity: SmartThings, Matter, IoT-Sensor Functionality ¹²
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: Yes ¹³
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+: 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: Yes ¹⁴
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: Yes ¹⁵
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):	
85": 314W	65": 217W
75": 254W	55": 175W
Max Power Consumption (W):	
85": 390W	65": 370W
75": 330W	55": 225W

INCLUDED ACCESSORIES

Remote Control: SolarCell™ Remote TM2560E
Power Cable: Yes

MODELS

MODEL: QN85QN80F ORDER CODE: QN85QN80FAFXZA
SCREEN SIZE CLASS: 85"
SCREEN DIAGONAL MEASUREMENT: 84.5"
UPC CODE: 887276931906
COUNTRY OF ORIGIN: MEXICO
DIMENSIONS (INCHES W X H X D): <ul style="list-style-type: none">TV WITHOUT STAND: 74.5 X 42.6 X 1.9TV WITH STAND (LOWEST): 74.5 X 44.8 X 14.4SHIPPING: 80.9 X 47.2 X 7STAND FOOTPRINT: 14.8 X 10.5 X 14.4
WEIGHT (LB): <ul style="list-style-type: none">TV WITHOUT STAND: 89.5TV WITH STAND: 93SHIPPING: 119.3STAND WEIGHT: 3.5
VESA SUPPORT: YES (600 X 400)
ACCESSORIES INCLUDED IN BOX: <ul style="list-style-type: none">REMOTE MODEL: SOLARCELL™ REMOTE TM2560EPOWER CABLEUSER MANUAL
WARRANTY: CLICK HERE

MODEL: QN65QN80F ORDER CODE: QN65QN80FAFXZA
SCREEN SIZE CLASS: 65"
SCREEN DIAGONAL MEASUREMENT: 64.5"
UPC CODE: 887276931944
COUNTRY OF ORIGIN: MEXICO
DIMENSIONS (INCHES W X H X D): <ul style="list-style-type: none">TV WITHOUT STAND: 56.9 X 32.6 X 1.8TV WITH STAND (LOWEST): 56.9 X 34.9 X 11SHIPPING: 62.7 X 36.6 X 6.2STAND FOOTPRINT: 12.4 X 9.3 X 11
WEIGHT (LB): <ul style="list-style-type: none">TV WITHOUT STAND: 50TV WITH STAND: 52.2SHIPPING: 679STAND WEIGHT: 2.2
VESA SUPPORT: YES (400 X 300)
ACCESSORIES INCLUDED IN BOX: <ul style="list-style-type: none">REMOTE MODEL: SOLARCELL™ REMOTE TM2560EPOWER CABLEUSER MANUAL
WARRANTY: CLICK HERE

MODEL: QN75QN80F ORDER CODE: QN75QN80FAFXZA
SCREEN SIZE CLASS: 75"
SCREEN DIAGONAL MEASUREMENT: 74.5"
UPC CODE: 887276931951
COUNTRY OF ORIGIN: MEXICO
DIMENSIONS (INCHES W X H X D): <ul style="list-style-type: none">TV WITHOUT STAND: 65.8 X 37.7 X 1.9TV WITH STAND (LOWEST): 65.8 X 40 X 13.1SHIPPING: 71.7 X 42.3 X 6.7STAND FOOTPRINT: 14 X 9.9 X 13.1
WEIGHT (LB): <ul style="list-style-type: none">TV WITHOUT STAND: 71TV WITH STAND: 73.9SHIPPING: 100.8STAND WEIGHT: 2.9
VESA SUPPORT: YES (400 X 400)
ACCESSORIES INCLUDED IN BOX: <ul style="list-style-type: none">REMOTE MODEL: SOLARCELL™ REMOTE TM2560EPOWER CABLEUSER MANUAL
WARRANTY: CLICK HERE

MODEL: QN55QN80F ORDER CODE: QN55QN80FAFXZA
SCREEN SIZE CLASS: 55"
SCREEN DIAGONAL MEASUREMENT: 54.6"
UPC CODE: 887276931937
COUNTRY OF ORIGIN: MEXICO
DIMENSIONS (INCHES W X H X D): <ul style="list-style-type: none">TV WITHOUT STAND: 48.3 X 27.8 X 1.9TV WITH STAND (LOWEST): 48.3 X 30.1 X 9.7SHIPPING: 53.2 X 32 X 5.8STAND FOOTPRINT: 10.4 X 8.6 X 9.7
WEIGHT (LB): <ul style="list-style-type: none">TV WITHOUT STAND: 36.2TV WITH STAND: 379SHIPPING: 49.6STAND WEIGHT: 1.8
VESA SUPPORT: YES (200 X 200)
ACCESSORIES INCLUDED IN BOX: <ul style="list-style-type: none">REMOTE MODEL: SOLARCELL™ REMOTE TM2560EPOWER CABLEUSER MANUAL
WARRANTY: CLICK HERE

¹Samsung Vision AI features vary by model; see individual model for more info.
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.
⁴Utilizes AI-Based formulas.
⁵Samsung 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 in 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.
⁶Q-Symphony requires a compatible 2020-2025 Samsung TV. Please refer to [samsung.com](#) for more information.
⁷Works with antenna broadcast only. Available languages vary and may require download. Translation accuracy not guaranteed.
⁸Click to Search Who's On feature only works with terrestrial, cable TV and Samsung TV Plus. Click to Search Watch Next feature utilizes AI based algorithms.
⁹Fees apply to subscription service. Art pieces in the Art Store are subject to change without prior notice.
¹⁰Samsung 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/login 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.
¹¹One UI Tizen OS updates are available for up to 7 years from the product release year starting in 2023. Availability, features, contents, apps and services are subject to change without notice and may vary by product and model. OS updates does not cover hardware-related performance, features or durability.
¹²SmartThings require compatible devices only. SmartThings app download may be required.
¹³Subscriptions may be required for some services. Smart Trainer support devices may vary by country.
¹⁴High speed internet connection, additional gaming service subscriptions and compatible controller required.
¹⁵Super Ultrawide Game View is supported for PC games only. This 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.