



CLASS HIERARCHY

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

SIZE CLASS

100"	QN100QN80F
85"	QN85QN80F
75"	QN75QN80F
65"	QN65QN80F
55"	QN55QN80F



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TOP 10 KEY FEATURES

1. NQ4 AI Gen2 Processor	6. Auto HDR Remastering
2. Quantum Matrix Technology Core	7. Color Booster Pro
3. 4K AI Upscaling	8. Object Tracking Sound Lite
4. Dolby Atmos	9. Endless Free Content / Samsung Tizen OS
5. Motion Xcelerator144Hz	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
Upscaling: 4K AI Upscaling ¹
Variable Refresh Rate (VRR): Yes
Motion Handling ² : Motion Xcelerator144Hz
Contrast Enhancer: Real Depth Enhancer
Object Motion Enhancing: N/A
Color: Color Booster Pro
HDR (High Dynamic Range): Neo Quantum HDR
HDR10+: Yes (Adaptive/Gaming)
Auto HDR Remastering: Yes
Adaptive Picture: Yes
Supersize Picture Enhancer: 100", 85" only

AUDIO

Speaker Type: 4Ch
Output Power: 30W
Dolby Atmos: Yes
Object Tracking Sound (OTS): OTS Lite
Q-Symphony: Pro
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: 100": Metal Linear 85"-55": Aero Center
Stand Color: 100": Titan Black 85"-55": Black
Adjustable Stand: N/A

CONNECTIVITY

Wi-Fi: Yes (Wi-Fi 5)
Bluetooth: Yes (BT5.3)
One Connect Box: N/A
HDMI Input: 4 ³
HDMI Maximum Input Rate: 4K144Hz (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 AI⁴

Live Translate: Yes
Click to Search: 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: Yes ⁴

SMART TV FEATURES⁵

Operating System: Samsung Tizen OS
AI TV: Samsung Vision AI ⁴
Free Ad Supported TV: Samsung TV Plus
Smart Home Connectivity: SmartThings, Matter, IoT-Sensor Functionality ⁵
Smart Assistants (Built-In): Bixby, Alexa
Smart Assistants (Works with): Google Assistant
Far-Field Voice Interactions: Yes
Web Browser: Yes
Samsung Health: Yes ⁶
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: 115": Ambient Mode+ 98"-43": 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 ⁷
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 ⁸
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): 100": TBD 85"-55": 0.5W
Typical Power Consumption (W): 100": TBD 65": 217W 85": 314W 55": 175W 75": 254W
Max Power Consumption (W): 100": TBD 65": 370W 85": 390W 55": 225W 75": 330W
Energy Saving Consumption (W): TBD

INCLUDED ACCESSORIES

Remote Control: SolarCell™ Remote TM2560E
Power Cable: Yes

MODELS

MODEL: QN100QN80F ORDER CODE: QN100QN80FFXZA
SCREEN SIZE CLASS: 100"
SCREEN DIAGONAL MEASUREMENT: 99.8"
UPC CODE: 887276931890
COUNTRY OF ORIGIN: MEXICO
DIMENSIONS (INCHES W X H X D): <ul style="list-style-type: none">TV WITHOUT STAND: 87.8 X 50.1 X 2.3TV WITH STAND (LOWEST): 87.8 X 52.5 X 16.4SHIPPING: 94.4 X 56.9 X 9.1STAND FOOTPRINT: 0.3 X 12.5 X 16.4
WEIGHT (LB): <ul style="list-style-type: none">TV WITHOUT STAND: 129.9TV WITH STAND: 132.9SHIPPING: 180.1
VESA SUPPORT: YES (600 X 400)
ACCESSORIES INCLUDED IN BOX: <ul style="list-style-type: none">REMOTE MODEL: SOLARCELL™ REMOTE TM2560EPOWER CABLEUSER MANUAL

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: 13.9 X 9.9 X 13.1
WEIGHT (LB): <ul style="list-style-type: none">TV WITHOUT STAND: 71TV WITH STAND: 73.9SHIPPING: 100.8
VESA SUPPORT: YES (400 X 400)
ACCESSORIES INCLUDED IN BOX: <ul style="list-style-type: none">REMOTE MODEL: SOLARCELL™ REMOTE TM2560EPOWER CABLEUSER MANUAL

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: 14.7 X 10.5 X 14.4
WEIGHT (LB): <ul style="list-style-type: none">TV WITHOUT STAND: 89.5TV WITH STAND: 93SHIPPING: 119.3
VESA SUPPORT: YES (600 X 400)
ACCESSORIES INCLUDED IN BOX: <ul style="list-style-type: none">REMOTE MODEL: SOLARCELL™ REMOTE TM2560EPOWER CABLEUSER MANUAL

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: 12.3 X 9.3 X 11
WEIGHT (LB): <ul style="list-style-type: none">TV WITHOUT STAND: 50TV WITH STAND: 52.2SHIPPING: 67.9
VESA SUPPORT: YES (400 X 300)
ACCESSORIES INCLUDED IN BOX: <ul style="list-style-type: none">REMOTE MODEL: SOLARCELL™ REMOTE TM2560EPOWER CABLEUSER MANUAL

*Samsung Vision AI is only available on 2025 Neo QLED 8K, Neo QLED, QLED, and QLED TV models. Excludes Crystal UHD, FHD, and HD TV models. Samsung Vision AI features may also vary by model. Utilizes AI-Based formulas.

*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/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.

¹ Utilizes AI-based formulas.

² 144Hz is limited to 4K resolution and requires compatible content connections from compatible PCs. Motion Xcelerator 144Hz is sometimes called Motion Xcelerator Turbo+.

³ HDMI-CEC (Consumer Electronics Control) facilitates convenient control functions with compatible devices.

⁴ Fees apply to subscription service. Art pieces in the Art Store are subject to change without prior notice.

⁵ SmartThings require compatible devices only. SmartThings app download may be required.

⁶ Subscriptions may be required for some services. Smart Trainer support devices may vary by country.

⁷ High speed internet connection, additional gaming service subscriptions and compatible controller required.

⁸ 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.

MODELS

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 1.9· TV WITH STAND (LOWEST): 48.3 X 30.1 X 9.7· SHIPPING: 53.2 X 32 X 5.8· STAND FOOTPRINT: 10.3 X 8.6 X 9.7
WEIGHT (LB): <ul style="list-style-type: none">· TV WITHOUT STAND: 36.2· TV WITH STAND: 37.9· SHIPPING: 49.6
VESA SUPPORT: YES (200 X 200)
ACCESSORIES INCLUDED IN BOX: <ul style="list-style-type: none">· REMOTE MODEL: SOLARCELL™ REMOTE TM2560E· POWER CABLE· USER MANUAL

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