



CLASS HIERARCHY

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

SIZE CLASS

100"	QN100QN80FD
85"	QN85QN80FD
75"	QN75QN80FD
65"	QN65QN80FD
55"	QN55QN80FD



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 / One UI Tizen ⁵
5. Motion Xcelerator144Hz 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: Ultimate UHD Dimming

PICTURE (PROCESSING)

Processor ² : NQ4 AI Gen2 Processor
Upscaling ² : 4K AI Upscaling
Variable Refresh Rate (VRR): Yes
Motion Handling ³ : Motion Xcelerator144Hz
Contrast Enhancer: Real Depth Enhancer
Color ⁴ : Color Booster Pro
EyeComfort Pro: Yes
HDR (High Dynamic Range): Neo Quantum HDR
HDR10+: Yes (Adaptive/Gaming)
Auto HDR Remastering: Yes
Adaptive Picture: AI Optimized/AI Customization
Supersize Picture Enhancer: 100", 85" only

AUDIO

Speaker Type: 4Ch
Output Power: 40W
Dolby Atmos: Yes
Object Tracking Sound (OTS): OTS Lite
Q-Symphony ⁶ : Yes
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 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
Generative Wallpaper: Yes
Pet & Family Care: Yes
Home Insight: Yes
Universal Gesture/Quick Control: Yes

TV ART FEATURES

Art Mode: N/A
Art Store ⁷ : Yes

SMART TV FEATURES⁸

Operating System ⁵ : One UI Tizen
AI TV: Samsung Vision AI ¹
Free Ad Supported TV: Samsung TV Plus
Smart Home Connectivity ⁹ : 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 ¹⁰ : Yes
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 ¹¹ : 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 ¹² : Yes
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 85": 314W 75": 254W
Max Power Consumption (W): 100": TBD 85": 390W 75": 330W

INCLUDED ACCESSORIES

Remote Control: SolarCell™ Remote TM2560E
Power Cable: Yes

MODELS

MODEL: QN100QN80FD ORDER CODE: QN100QN80FDXZA
SCREEN SIZE CLASS: 100"
SCREEN DIAGONAL MEASUREMENT: 99.8"
UPC CODE: 887276931883
COUNTRY OF ORIGIN: MEXICO
DIMENSIONS (INCHES W X H X D): - TV WITHOUT STAND: 87.8 X 50.1 X 2.3 - TV WITH STAND (LOWEST): 87.8 X 52.5 X 16.4 - SHIPPING: 94.4 X 56.9 X 9.1 - STAND FOOTPRINT: 0.3 X 12.5 X 16.4
WEIGHT (LB): - TV WITHOUT STAND: 129.9 - TV WITH STAND: 132.9 - SHIPPING: 180.1 - STAND WEIGHT: 3.1
VESA SUPPORT: YES (600 X 400)
ACCESSORIES INCLUDED IN BOX: - REMOTE MODEL: SOLARCELL™ REMOTE TM2560E - POWER CABLE - USER MANUAL
WARRANTY: CLICK HERE

MODEL: QN75QN80FD ORDER CODE: QN75QN80FDFXZA
SCREEN SIZE CLASS: 75"
SCREEN DIAGONAL MEASUREMENT: 74.5"
UPC CODE: 887276931968
COUNTRY OF ORIGIN: MEXICO
DIMENSIONS (INCHES W X H X D): - TV WITHOUT STAND: 65.8 X 37.7 X 1.9 - TV WITH STAND (LOWEST): 65.8 X 40 X 13.1 - SHIPPING: 71.7 X 42.3 X 6.7 - STAND FOOTPRINT: 13.9 X 9.9 X 13.1
WEIGHT (LB): - TV WITHOUT STAND: 71 - TV WITH STAND: 73.9 - SHIPPING: 100.8 - STAND WEIGHT: 2.9
VESA SUPPORT: YES (400 X 400)
ACCESSORIES INCLUDED IN BOX: - REMOTE MODEL: SOLARCELL™ REMOTE TM2560E - POWER CABLE - USER MANUAL
WARRANTY: CLICK HERE

MODEL: QN85QN80FD ORDER CODE: QN85QN80FDFXZA
SCREEN SIZE CLASS: 85"
SCREEN DIAGONAL MEASUREMENT: 84.5"
UPC CODE: 887276931913
COUNTRY OF ORIGIN: MEXICO
DIMENSIONS (INCHES W X H X D): - TV WITHOUT STAND: 74.5 X 42.6 X 1.9 - TV WITH STAND (LOWEST): 74.5 X 44.8 X 14.4 - SHIPPING: 80.9 X 47.2 X 7 - STAND FOOTPRINT: 14.7 X 10.5 X 14.4
WEIGHT (LB): - TV WITHOUT STAND: 89.5 - TV WITH STAND: 93 - SHIPPING: 119.3 - STAND WEIGHT: 3.5
VESA SUPPORT: YES (600 X 400)
ACCESSORIES INCLUDED IN BOX: - REMOTE MODEL: SOLARCELL™ REMOTE TM2560E - POWER CABLE - USER MANUAL
WARRANTY: CLICK HERE

MODEL: QN65QN80FD ORDER CODE: QN65QN80FDFXZA
SCREEN SIZE CLASS: 65"
SCREEN DIAGONAL MEASUREMENT: 64.5"
UPC CODE: 887276932019
COUNTRY OF ORIGIN: MEXICO
DIMENSIONS (INCHES W X H X D): - TV WITHOUT STAND: 56.9 X 32.6 X 1.8 - TV WITH STAND (LOWEST): 56.9 X 34.9 X 11 - SHIPPING: 62.7 X 36.6 X 6.2 - STAND FOOTPRINT: 12.3 X 9.3 X 11
WEIGHT (LB): - TV WITHOUT STAND: 50 - TV WITH STAND: 52.2 - SHIPPING: 67.9 - STAND WEIGHT: 2.2
VESA SUPPORT: YES (400 X 300)
ACCESSORIES INCLUDED IN BOX: - REMOTE MODEL: SOLARCELL™ REMOTE TM2560E - POWER CABLE - USER 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.
³4K144Hz 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/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.
⁶Q-Symphony requires a compatible 2020-2025 Samsung TV. Please refer to [samsung.com](#) for more information.
⁷Fees apply to subscription service. Art pieces in the Art Store are subject to change without prior notice.
⁸Samsung 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.
⁹SmartThings require compatible devices only. SmartThings app download may be required.
¹⁰Subscriptions may be required for some services. Smart Trainer support devices may vary by country.
¹¹High speed internet connection, additional gaming service subscriptions and compatible controller required.
¹²Super 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: QN55QN80FD ORDER CODE: QN55QN80FAFXZA
SCREEN SIZE CLASS: 55"
SCREEN DIAGONAL MEASUREMENT: 54.6"
UPC CODE: 887276932026
COUNTRY OF ORIGIN: MEXICO
DIMENSIONS (INCHES W X H X D): · 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): · TV WITHOUT STAND: 36.2 · TV WITH STAND: 37.9 · SHIPPING: 49.6 · STAND WEIGHT: 1.8
VESA SUPPORT: YES (200 X 200)
ACCESSORIES INCLUDED IN BOX: · REMOTE MODEL: SOLARCELL™ REMOTE TM2560E · POWER CABLE · USER MANUAL
WARRANTY: CLICK HERE

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