



CLASS HIERARCHY

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

SIZE CLASS

77"	QN77S84FD



Self-illuminating pixels deliver unmistakable OLED contrast and dazzling, expert-validated color enhanced by Samsung Vision AI¹. A flowing design complements the bold brightness and depth on-screen, along with enhanced sound.

TOP 10 KEY FEATURES

1. NQ4 AI Gen2 Processor ²	6. Motion Xcelerator120Hz
2. 4K AI Upscaling ²	7. Dolby Atmos and Object Tracking Sound Lite
3. OLED HDR	8. Active Voice Amplifier Pro and Adaptive Sound Pro
4. Pantone Validated [®]	9. Endless Free Content ⁴
5. Auto HDR Remastering	10. Color Booster Pro ³

PICTURE (PANEL)

Display Type: OLED
Refresh Rate: 120Hz
Lighting Technology: Self-illuminating pixels
Display Resolution: 4K (3,840 x 2,160)
Anti Reflection: Yes
Viewing Angle: Ultra Viewing Angle
Dimming Technology: N/A

PICTURE (PROCESSING)

Processor ² : NQ4 AI Gen2 Processor
Upscaling ² : 4K AI Upscaling
Variable Refresh Rate (VRR): Yes
Motion Handling: Motion Xcelerator 120Hz
Contrast Enhancer: Real Depth Enhancer
Object Motion Enhancing: N/A
Color ³ : Color Booster Pro
EyeComfort Pro: Yes
HDR (High Dynamic Range): OLED HDR
HDR10+: Yes (Adaptive/Gaming)
Auto HDR Remastering: Yes
Adaptive Picture ³ : AI Optimized/AI Customization
Supersize Picture Enhancer: N/A

AUDIO

Speaker Type: 2CH
Output Power: 20W
Dolby Atmos: Yes
Object Tracking Sound (OTS): OTS Lite
Q-Symphony: Yes
Active Voice Amplifier (AVA): AVA Pro
Adaptive Sound: Pro
Bluetooth Audio: Yes
360 Audio: Yes

DESIGN

TV Design: Contour
Bezel Type: 4 Bezel-less
Front Color: Graphite Black
Stand Type: Simple Linear
Stand Color: Black
Adjustable Stand: Yes (See next page)

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 120Hz (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: N/A
Pet & Family Care: Yes
Home Insight: Yes
Universal Gestures/Quick Control: Yes
Click to Search: Yes

TV ART FEATURES

Art Mode: N/A
Art Store: N/A

SMART TV FEATURES⁵

Operating System ⁴ : One UI Tizen
AI TV: Samsung Vision AI ¹
Free Ad Supported TV: Samsung TV Plus
Smart Home Connectivity ⁶ : SmartThings, Matter, IoT- Sensor Functionality
Smart Assistants (Built-In): Bixby
Smart Assistants (Works with): Google Assistant, Alexa
Far-Field Voice Interactions: Yes
Web Browser: Yes
SmartThings Hub/Quick Remote/Matter Hub/IoT-Sensor Functionality: Yes
Samsung Health ⁷ : 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: Yes
Buds Auto Switch: Yes
Works with Apple Airplay: Yes
Works with Google Cast: Yes
Daily+: Yes
Daily Board: Voice/User Detection
Workout Tracker: N/A
Karaoke Mic: Yes
Multi-Control: Yes
ConnecTime: N/A
Screen Vitals: N/A
Storage Share: Yes

GAMING

Gaming Hub ⁸ : Yes
Cloud Gaming: Yes - Xbox, NVIDIA GeForce Now, Luna, Blacknut, Antstream, Boosteroid, Utomik
AI Auto Game Mode: Yes
ALLM (Auto Low Latency Mode): Yes
Game Motion Plus: Yes
Super Ultra Wide Game View ⁹ : Yes
Game Bar: Yes
Mini Map Zoom: Yes
VRR Standard: Freesync Premium™
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): 77": 164W
Max Power Consumption (W): 77": 300W

INCLUDED ACCESSORIES

Remote Control: SolarCell™ Remote TM2560E
Power Cable: Yes

MODELS

MODEL: QN77S84FD ORDER CODE: QN77S84FDEXZA
SCREEN SIZE CLASS: 77"
SCREEN DIAGONAL MEASUREMENT: 76.6"
UPC CODE: 198957231889
COUNTRY OF ORIGIN: MEXICO
DIMENSIONS (INCHES W X H X D): - TV WITHOUT STAND: 67.8 X 39 X 1.3 - TV WITH STAND (LOWEST): 67.8 X 41.7 X 13 - SHIPPING: 74.4 X 46 X 6.7 - STAND FOOTPRINT: 0.9 X 10.6 X 13 - DISTANCE BETWEEN STANDS (STANDARD): 45.4" - DISTANCE BETWEEN STANDS (MINIMUM): 13.9"
WEIGHT (LB): - TV WITHOUT STAND: 61.9 - TV WITH STAND: 63.5 - SHIPPING: 83.6 - STAND WEIGHT: 1.5
VESA SUPPORT: YES (400 X 300)
ACCESSORIES INCLUDED IN BOX: - REMOTE MODEL: SOLARCELL™ REMOTE TM2560E - POWER CABLE - USER MANUAL

¹Samsung Vision AI features vary by model, see individual model for more info. Utilizes AI-Based formulas.
²Utilizes AI-Based formulas to upscale to 4K resolution. Resulting picture may vary based on source content.
³Utilizes AI-based formulas.
⁴Samsung 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.
⁵Samsung 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.
⁶SmartThings require compatible devices only. SmartThings app download may be required.
⁷Subscriptions may be required for some services. Smart Trainer support devices may vary by country.
⁸High speed internet connection, additional gaming service subscriptions and compatible controller required.
⁹Super 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.