



CLASS HIERARCHY

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



SIZE CLASS

98"	UN98Q7F

Refine your entertainment experience with our next-level smart TV. Featuring a spectrum of over one billion authentic colors, this picture is also certified by Pantone for color accuracy so every show comes alive in beautiful detail. Boosted contrast from Quantum HDR enhances darks and lights, making everything look sharper. Plus, dynamic 3D audio syncs with on-screen action, all powered by Samsung Vision AI¹.

TOP 10 KEY FEATURES

1. Supersize Picture Enhancer	6. Motion Xcelerator 120Hz
2. Q4 AI Processor	7. Quantum HDR
3. 100% Color Volume with Quantum Dot ²	8. Free Sync Premium
4. Samsung Knox Security ³	9. Adaptive Sound
5. Endless Free Content ^{4,5}	10. 4K Upscaling

PICTURE (PANEL)

Display Type: QLED
Refresh Rate: 120Hz
Lighting Technology: Mega Contrast
Display Resolution: 4K (3,840 x 2,160)
Anti Reflection: N/A
Viewing Angle: Wide
Dimming Technology: Ultimate UHD Dimming

PICTURE (PROCESSING)

Processor: Q4 AI Gen1 Processor
Upscaling: 4K Upscaling
Variable Refresh Rate (VRR): N/A
Motion Handling: Motion Xcelerator 120Hz
Contrast Enhancer: Yes
Object Motion Enhancing: N/A
Color: Color Booster Pro ⁶
HDR (High Dynamic Range): Quantum HDR
HDR10+: Supported
Auto HDR Remastering: Yes
Adaptive Picture: N/A
Supersize Picture Enhancer: Yes

AUDIO

Speaker Type: 2CH
Output Power: 20W
Dolby Atmos: N/A
Object Tracking Sound (OTS): OTS Lite
Q-Symphony: Yes ⁷
Active Voice Amplifier (AVA): N/A
Adaptive Sound: Yes
Bluetooth Audio: Yes
360 Audio: N/A

DESIGN

TV Design: Slim Look
Bezel Type: 3 Bezel-less
Front Color: Graphite Black
Stand Type: Flat Feet
Stand Color: Black
Adjustable Stand: Yes (See next page)

CONNECTIVITY

Wi-Fi: Yes (Wi-Fi 5)
Bluetooth: Yes (BT5.2)
One Connect Box: N/A
HDMI Input: 3 Ports
HDMI Maximum Input Rate: 4K120Hz (for HDMI 1/2/3)
HDMI Audio Return Channel: eARC
HDMI-CEC: Yes
USB Ports: 1 x USB-A
Ethernet (LAN): 1
Digital Audio Out (Optical): N/A
RF Connection: 1
RS-232C Input: N/A

SAMSUNG VISION AI¹

Live Translate: N/A
Generative Wallpaper: Yes
Pet & Family Care: N/A
Home Insight: Yes
Universal Gestures/Quick Control: Yes

TV ART FEATURES

Art Mode: N/A
Art Store: Yes ⁸

SMART TV FEATURES⁴

Operating System: One UI Tizen
AI TV: Samsung Vision AI ¹
Free Ad Supported TV: Samsung TV Plus
Smart Home Connectivity: SmartThings, Matter, IoT-Sensor Functionality ⁹
Smart Assistants (Built-In): Bixby, Alexa
Smart Assistants (Works with): Google Assistant
Far-Field Voice Interactions: N/A
Web Browser: Yes
SmartThings Hub/Quick Remote/Matter Hub/IoT-Sensor Functionality: 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: N/A
Workout Tracker: Yes
Karaoke Mic: N/A
Multi-Control: Yes
ConneCTime: Yes
Screen Vitals: N/A
Storage Share: Yes

GAMING

Gaming Hub: Yes ¹⁰
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: Yes ¹¹
Game Bar: Yes
Mini Map Zoom: Yes
VRR Standard: Freesync Premium™
HGiG: Yes
Hue Sync: Yes

SECURITY

Knox Vault: N/A
Knox Security: Yes ³

POWER

Power Supply (V): AC110-120V~ 50/60Hz
Standby Power Consumption (W): 0.5W
Typical Power Consumption (W): 377W
Max Power Consumption (W): 495W

INCLUDED ACCESSORIES

Remote Control: SolarCell™ Remote TM2560E
Power Cable: Yes

MODELS

MODEL: QN98Q7FD ORDER CODE: QN98Q7FDAFXZA
SCREEN SIZE CLASS: 98"
SCREEN DIAGONAL MEASUREMENT: 97.5"
UPC CODE: 198957219405
COUNTRY OF ORIGIN: MEXICO
DIMENSIONS (INCHES W X H X D): <ul style="list-style-type: none">TV WITHOUT STAND: 85.9 X 49 X 2.5TV WITH STAND (LOWEST): 85.9 X 51.1 X 15.8TV WITH STAND (HIGHEST): 85.9 X 52.1 X 15.8SHIPPING: 93.3 X 55.3 X 10.8STAND FOOTPRINT: 1 X 11.5 X 15.8
WEIGHT (LB): <ul style="list-style-type: none">TV WITHOUT STAND: 115.1TV WITH STAND: 118.6SHIPPING: 167.6
VESA SUPPORT: YES (600 X 400)
ACCESSORIES INCLUDED IN BOX: <ul style="list-style-type: none">REMOTE MODEL: SOLARCELL™ REMOTE TM2560EPOWER CABLEUSER MANUAL

¹Samsung Vision AI features vary by model; see individual model for more info.
²QLED televisions can produce 100% Color Volume in the DCI-P3 color space, the format for most cinema screens and HDR movies for television.
³Personal data includes directly input PIN codes and passwords, and IoT device information shared through the SmartThings app. The latest software is required.
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.
⁵Channels may vary by location and are subject to change. UI is subject to change without prior notice.
⁶Utilizes AI-Based formulas.
⁷Requires a compatible 2020-2025 Q-Series, S-Series, B750F or B650F soundbar (sold separately). For more information, check soundbar specifications.
⁸Fees apply to subscription service.
⁹SmartThings require compatible devices only. SmartThings app download may be required.
¹⁰High-speed internet connection, additional gaming service subscriptions and compatible controller required.
¹¹Super 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.