



CLASS HIERARCHY



SIZE CLASS

100"	QN100QN80HAFXZA
85"	QN85QN80HAFXZA



Experience Quantum Dot color that stays bold in bright scenes, enhancing the full array of Mini LEDs that deliver precise brightness and contrast. Details come to life in brilliant 4K, enhanced with our AI-powered processor to make low-res content look clear and vibrant.¹

TOP 10 KEY FEATURES

- Quantum Mini LED Full Array
- NQ4 AI Gen2 Processor²
- Motion Xcelerator 144Hz³
- 4K AI Upscaling²
- Supersize Picture Enhancer
- Auto HDR Remastering¹
- Color Booster Pro¹
- AI Customization Mode
- Dolby Atmos and Object Tracking Sound Lite
- Vision AI Companion⁴

PICTURE (PANEL)

- Display Type: Neo QLED 4K
- Refresh Rate: 144Hz (VRR Support)
- Lighting Technology: Quantum Mini LED
- Display Resolution: 4K (3,840 x 2,160)
- Anti Reflection: N/A
- Viewing Angle: Wide Viewing Angle
- Dimming Technology: Supreme Mini LED Dimming

DESIGN

- TV Design: 100": Simple Chamfer 85": Monolith Edge
- Bezel Type: 3 Bezel-less
- Front Color: Titan Black
- Stand Type: 100": Metal Linear 85": Round Feet
- Stand Color: 100": Titan Black 85": Black
- Adjustable Stand: 100": N/A 85": Yes

SMART TV FEATURES⁹

- Operating System: One UI Tizen
- Free Ad Support TV: Samsung TV Plus
- Smart Home Connectivity: SmartThings¹⁰, Matter, IoT-Sensor Functionality
- Smart Assistants (Built-In): Bixby, Alexa
- Smart Assistants (Works with): Google Assistant
- Far-Field Voice Interactions: Yes
- Web Browser: Yes
- Samsung Health: Yes¹¹
- Multi Device Experience: TV to Mobile, Mobile to TV, TV initiate mirroring, Sound Mirroring, Wireless TV On
- Multi-View: Up to 2 videos
- Buds Auto Switch: Yes
- Works with Apple Airplay: Yes
- Works with Google Cast: Yes
- Daily+: Yes
- Now Brief: Yes Voice/User Detection
- Workout Tracker: Yes
- Karaoke Mic: Yes¹²
- Multi-Control: Yes
- Storage Share: Yes

SECURITY

- Knox Vault: N/A
- Knox Security: Yes

PICTURE (PROCESSING)

- Processor: NQ4 AI Gen2 Processor²
- Upscaling: 4K AI Upscaling
- Variable Refresh Rate (VRR): Yes
- Motion Handling: Motion Xcelerator 144Hz³
- DLG (Dual Line Gate): 240Hz
- Contrast Enhancer: Real Depth Enhancer
- Color: Quantum Dot Display
- Color Booster: Pro¹
- HDR (High Dynamic Range): Neo Quantum HDR+
- HDR10+: Yes (Adaptive/Gaming/Advanced)
- Auto HDR Remastering: Yes
- Adaptive Picture: AI Optimized / AI Customization
- Supersize Picture Enhancer: 100" & 85" only

CONNECTIVITY

- Wi-Fi: Yes (Wi-Fi 6E)
- Bluetooth: Yes (BT5.3)
- One Connect Box: N/A
- HDMI Inputs²: 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): Yes
- Digital Audio Out (Optical): Yes
- RF Connection: Yes
- RS-232C Input: Yes

POWER

- Power Supply (V): AC110-120V~ 50/60Hz
- Stand-by Power Consumption (W): 0.5
- Eco Sensor: Yes
- Auto Power Saving: Yes
- Auto Power Off: Yes

INCLUDED ACCESSORIES

- Remote Control: BT Simple Remote TM2280A with batteries
- Power Cable: Yes
- Slim Fit Wall-mount Support: Yes

AUDIO

- Speaker Type: 100": 4CH 85": 2CH
- Output Power (W): 30W
- Dolby Atmos: Yes
- Object Tracking Sound (OTS): OTS Lite
- Q-Symphony: Yes⁵
- Active Voice Amplifier (AVA): AVA Pro
- Adaptive Sound: Pro
- Bluetooth Audio: Yes
- 360 Audio: Yes

Samsung Vision AI⁷

- Vision AI Companion: Yes⁴
- AI Soccer Mode: Yes
- AI Sound Controller: Yes
- Live Translate: Yes
- Generative Wallpaper: Yes
- Multi AI Agents (Copilot & Perplexity): Yes
- Pet & Family Care: Yes
- Home Insight: Yes:

TV ART FEATURES

- Art Mode: NA
- Art Store: Yes⁸

GAMING

- Gaming Hub: Yes¹³
- Cloud Gaming: Yes - Xbox, NVIDIA GeForce Now, Luna, Blacknut, Antstream, Boosteroid
- Auto Game Mode: AI Auto Game Mode
- ALLM (Auto Low Latency Mode): Yes
- Gaming Motion Plus: Yes
- Super Ultra Wide Game View¹⁴: Yes
- Game Bar: Yes
- Mini Map Zoom: Yes
- AMD FreeSync: FreeSync Premium™ Pro
- NVIDIA G-SYNC: N/A
- HGIG: Yes
- Hue Sync: Yes

MODELS

MODEL: QN100QN80H
ORDER CODE: QN100GN80HAFXZA

SCREEN SIZE CLASS: 100"

SCREEN DIAGONAL MEASUREMENT: 99.5"

UPC CODE: 198957268571

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"
- TV with Stand (Highest): N/A
- Distance between stand (Default): 67.8"
- Distance between stand (Minimum): N/A
- 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

VESA SUPPORT: YES (600X400)

ACCESSORIES INCLUDED IN BOX:

- Remote Model: BT Simple Remote TM2280A with batteries
- Power Cable
- USER Manual

WARRANTY: [CLICK HERE](#)

MODEL: QN85QN80H
ORDER CODE: QN85QN80HAFXZA

SCREEN SIZE CLASS: 85"

SCREEN DIAGONAL MEASUREMENT: 84.5"

UPC CODE: 198957268649

COUNTRY OF ORIGIN: MEXICO

DIMENSIONS (INCHES W X H X D):

- TV without Stand: 74.4" x 42.6" x 2.1"
- TV with Stand (Lowest): 74.4" x 44.2" x 14.5"
- TV with Stand (Highest): 74.4" x 45.2" x 14.5"
- Distance between stand (Default): 64"
- Distance between stand (Minimum): 14.2"
- Shipping: 81.1" x 47.2" x 7"
- Stand Footprint: 1" x 10.3" x 14.5"

WEIGHT (LB):

- TV without Stand: 70.8
- TV with Stand: 72.3
- Shipping: 102.1

VESA SUPPORT: YES (600X400)

ACCESSORIES INCLUDED IN BOX:

- Remote Model: BT Simple Remote TM2280A with batteries
- Power Cable
- USER Manual

WARRANTY: [CLICK HERE](#)

¹Utilizes AI-Based formulas.

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.

⁴AI inputs and queries may be recorded and shared with 3rd party providers. Requires Samsung account and consent to Viewing Information Service; must be 18 years or older. Accuracy not guaranteed. Check results. Utilizes AI-based formulas.

⁵Q-Symphony requires a compatible 2020-2026 Samsung TV. Please refer to [samsung.com](https://www.samsung.com) for more information.

⁶HDMI-CEC (Consumer Electronics Control) facilitates convenient control functions with compatible devices.

⁷Samsung Vision AI features vary by model; see individual model for more info.

⁸Fees apply to subscription service.

⁹Samsung 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.

¹⁰SmartThings require compatible devices only. SmartThings app download may be required.

¹¹Subscriptions may be required for some services. Smart Trainer support devices may vary by country.

¹²Requires SmartThings app to be installed on the mobile device and connected via the same Wi-Fi network as the TV set. Mobile mic is compatible only with Galaxy S23 or later models and iPhone 15 & above. You must download the Karaoke app from Tizen to use the Karaoke function. An additional paid subscription is required for this service after 6 months of free use. (Users can access 5 songs per day for free without a subscription.)

¹³High speed internet connection, additional gaming service subscriptions and compatible controller required.

¹⁴Super 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.