

Q80D QLED 4K TV



PRODUCT HIGHLIGHTS

- Direct Full Array
- 100% Color Volume with Quantum Dot¹
- Quantum HDR+
- Motion Xcelerator 120Hz³
- Real Depth Enhancer

SIZE CLASS



This advanced TV features super-precise LEDs that elevate color and contrast. Dive even deeper into your content with dimensional scenes and seamless action.

KEY FEATURES

Picture

- Direct Full Array
- Quantum HDR+
- 4K AI Upscaling¹
- 100% Color Volume with Quantum Dot²
- NQ4 AI Gen2 Processor
- Motion Xcelerator 120Hz³
- HDR Brightness Optimizer
- EyeComfort Mode
- Supreme UHD Dimming
- Real Depth Enhancer
- Auto Game Mode (ALLM)
- Super Ultra Wide Game View & Game Bar⁴
- Mini Map Zoom
- FreeSync Premium Pro¹⁴

Design

- Slim Look
- Titan Black New Hexagon Plate Stand

Smart Features⁵

- Samsung Tizen OS
- Universal Guide
- Ambient Mode+
- Built-in Voice Assistant⁶
- Samsung TV Plus
- Samsung Daily+
- Samsung Now+
- Samsung Smart Hub
- Multi View
- SmartThings Compatible⁷
- Samsung Health⁸
- ConneCTime
- Samsung Gaming Hub⁹

Connections

- 4 HDMI Ports¹⁰
- HDMI 2.1 Features Supported:
 - Auto Low Latency Mode (ALLM) supported on all ports
 - Fixed Rate Link up to 4K @120Hz, on all four ports
- Enhanced Audio Return Channel (eARC), supported on HDMI
- 2 USB-A Connections
- LANPort

- Wi-Fi 5
- Bluetooth[®] 5.2
- IP Control Support¹¹
- Digital Audio Output (Optical)

Audio

- Dolby Atmos™ and Object Tracking Sound Lite
- Q-Symphony¹²
- Adaptive Sound Pro
- 40 Watt 2.2 Channel
- Dual Audio Support (Bluetooth)
- 360 Audio

Included Accessories

- SolarCell Remote™ (TM-2360E)

Industry Certifications

- Filmmaker Mode¹³

¹ Utilizes AI-based formulas.

² QLED televisions can produce 100% Color Volume in the DCI-P3 color space, the format for most cinema screens and HDR movies for television.

³ Motion Xcelerator 120Hz is sometimes called Motion Xcelerator Turbo. Q80D 50" has Motion Xcelerator.

⁴ Super Ultra Wide Game View is supported for PC games only. Super Ultra Wide Game View is only available for ultra wide supported games. Some game titles may not support the function or be limited to use this feature. Screen resolution change from external device may be required.

⁵ 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/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.

⁶ Alexa is built-in.

⁷ SmartThings compatible devices only. SmartThings app download may be required.

⁸ Subscriptions may be required for some services. Smart Trainer support devices may vary by country. Partners and content may vary by region.

⁹ High speed Internet connection, additional gaming service subscriptions, and compatible controller required.

¹⁰ HDMI—CEC (Consumer Electronics Control) facilitates convenient control functions with compatible devices.

¹¹ Requires third-party control system installation. See www.samsung.com/us/business/custominstall.

¹² Q-Symphony requires compatible 2020-2024 Samsung TV and either a Q-Series or S-soundbar.

¹³ FILMMAKER MODE™ logo is a trademark of UHD Alliance, Inc.

¹⁴ Q80D 50" does not have FreeSync Premium Pro.

SAMSUNG

KEY FEATURES

TOP 10 FEATURES

Direct Full Array

See incredible contrast even in sunlit rooms. Get caught up in the details as you experience precision-controlled contrast with deep blacks and bright whites.

100% Color Volume with Quantum Dot¹

Take in breathtaking color that stays true at any level of brightness. Marvel at over a billion beautiful shades on your TV.

Quantum HDR+

A wide range of contrast and brightness—thanks to Quantum HDR+ which brings you rich color and striking details.

Motion Xcelerator 120Hz²

Experience smooth action with exceptional motion enhancements for a seamless picture.

Dolby Atmos™ and Object Tracking Sound Lite

Keep your ears on the action with built-in Dolby Atmos™[®]. You'll hear 3D surround sound that follows the movement on screen using our incredible virtual top channel audio.

Real Depth Enhancer

Experience depth and dimension on screen just like you do in real life. For all content, Real Depth Enhancer mirrors how the human eye processes depth by increasing foreground contrast.

4K AI Upscaling³

Content instantly transformed to incredibly sharp up to 4K resolution. Whether you're streaming an HD movie, watching live sports, or looking back at home videos, experience it all transformed into sharp 4K resolution.

NQ4 AI Gen2 Processor

The power behind the 4K picture that actively improves the quality. Utilizing 20 specialized networks the AI-powered processor drives the intuitive Smart TV Hub, Dolby Atmos™ sound, and expertly upscaled 4K resolution.

HDR Brightness Optimizer

Dark scenes become detailed so that everything is more visible. The tone of the image adjusts in real time so you can see the screen in any lighting. Plus with improved brightness, you get a rich picture with more to see.

Samsung Tizen OS⁴

Stream your favorite shows. Play games. Work out with a trainer. Do all you enjoy with Smart TV Powered by Tizen. Discover your must-have apps and streaming services all just a few clicks away.

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MODELS

MODEL: QN50Q80D
ORDER CODE: QN50Q80DAFXZA

SCREEN SIZE CLASS: 50"

SCREEN DIAGONAL MEASUREMENT: 49.5"

UPC CODE: 887276827476

COUNTRY OF ORIGIN: Mexico

DIMENSIONS (INCHES W x H x D):

- **TV WITHOUT STAND:** 43.9 x 25.3 x 1.9
- **TV WITH STAND:** 43.9 x 27.8 x 9.3
- **SHIPPING:** 51 x 30 x 6.5
- **STAND FOOTPRINT:** 20 x 8.5 x 9.3

WEIGHT (LB):

- **TV WITHOUT STAND:** 30
- **TV WITH STAND:** 40.1
- **SHIPPING:** 48.7

VESA SUPPORT: Yes (200 x 200)

ACCESSORIES INCLUDED IN BOX:

- **REMOTE MODEL:** TM-2360E
- **POWER CABLE**
- **USER MANUAL**