

QN850B TV



PRODUCT HIGHLIGHTS

- Quantum Matrix Pro with Mini LEDs
- Neural Quantum Processor 8K
- Infinity One Design with Slim One Connect
- Quantum HDR 32X
- Dolby Atmos and Object Tracking Sound Pro

SIZE CLASS



This ultra-sharp 8K screen shapes the light for precision color and contrast accuracy using an extensive array of innovative Quantum Mini LEDs. This unleashes over a billion shades of color for incredible realism, while 14-bit processing boosts deep black details. Behind the scenes, AI-Neural Processing drives intuitive Smart Hub controls, Dolby Atmos sound and exquisite 8K upscaling—all for our most immersive picture yet.

KEY FEATURES

Picture

- Quantum Matrix Pro with Mini LEDs
- Real 8K Resolution
- 8K AI Upscaling
- Quantum HDR 32X
- Neural Quantum Processor 8K
- 100% Color Volume with Quantum Dot¹
- Ultimate 8K Dimming Pro
- Motion Xcelerator Turbo+
- Ultra Viewing Angle
- Real Depth Enhancer
- Anti-Reflection
- Optimized Eye Comfort Mode
- Smart Calibration Pro
- FreeSync Premium Pro
- Auto Game Mode (ALLM)
- Super Ultrawide GameView & Game Bar²

Design

- Infinity One Design with Slim One Connect
- Sand Black Stand

Smart Features

- Smart TV Powered by Tizen
- Universal Guide
- Ambient Mode+³
- Multiple Voice Assistants⁴
- Samsung TV Plus
- Multi View⁵
- SolarCell Remote™⁶
- SmartThings Compatible⁷
- Samsung Health⁸
- Google Duo
- Music Wall

Connections

- 4 HDMI Ports¹⁰
- HDMI 2.1 Features Supported:
 - Auto Low Latency Mode (ALLM), supported on all ports
 - Fixed Rate Link (FRL) 4K@120Hz/8K@60Hz, supported on all ports
 - Variable Refresh Rate (VRR), supported on all ports
 - Enhanced Audio Return Channel (eARC), supported on port 3
- 3 USB 2.0 Connections
- LAN Port

- Wi-Fi 6E built-in Wi-Fi
- Bluetooth®
- RS232 Control (Ex-Link)
- IP Control Support¹¹
- Optical Audio Output Port

Audio

- Dolby Atmos and Object Tracking Sound Pro
- Q-Symphony¹²
- Active Voice Amplifier
- 90 Watt 6.2.4 Channel

Included Accessories

- SolarCell Remote™ (TM-2280E)
- Attachable Slim One Connect
- One Connect Cables (0.3m, 2.5m in length)
- User Manual and E-Manual
- Power Cable

Industry Certifications

- NextGen TV¹³
- 8K Association
- 8K Ultra HD
- Filmmaker Mode

¹QLED televisions can produce 100% Color Volume in the DCI-P3 color space, the format for most cinema screens and HDR movies for television.

²Best experience with PC games supporting UltraWide GameView.

³Best picture accuracy may vary based on TV location and is dependent on wall designs, patterns and/or colors. SmartThings app on a mobile device (Android, iOS) is required for some functionality. App features may be limited at launch; please continue to check for updates.

⁴Amazon, Alexa, and all related logos are trademarks of Amazon.com, Inc. or its affiliates. Google and YouTube are trademarks of Google LLC. This service may not yet be available at the time of purchase of this product. Apple and related marks and logos are trademarks of Apple Inc. This Samsung TV supports AirPlay 2 and requires iOS 12.3 or later or macOS 10.14.5 or later.

⁵Feature availability will vary by mobile device.

⁶Remote color and design may vary by model.

⁷SmartThings compatible devices only. SmartThings app download may be required. Compatible with Zigbee Dongle's SKU is VG-STDB10A/ZA.

⁸Subscriptions may be required for some services.

⁹HDMI-CEC (Consumer Electronics Control) facilitates convenient control functions with compatible devices.

¹⁰Requires third-party control system installation. See www.samsung.com/us/business/custominstall.

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

¹²Samsung Q-Symphony is compatible with 2020-2022 Samsung QLED. For a complete list of compatible models, please refer to samsung.com for more information.

¹³The NextGen TV logo is an unregistered trademark of the Consumer Technology Association and is used by permission.

SAMSUNG

SEE BACK FOR DETAILS

KEY FEATURES (page 1 of 2)

PICTURE

Quantum Matrix Pro with Mini LEDs

Experience out-of-this-world detail on a screen made brilliant by a universe of tiny lights. With Quantum Matrix Technology Pro, a staggering grid of Samsung's own Quantum Mini LEDs unleash a billion colors with ultra-fine precision for intense contrast.

Real 8K Resolution with AI Upscaling

Marvel at the details within the details from 8K and the precision of 33 million pixels.

Quantum HDR 32X

Every detail bursts to life with the realistic contrast and brilliance the director intended.

Neural Quantum Processor 8K

For all you watch, experience AI-powered 8K, with 20 distinct neural networks.

100% Color Volume with Quantum Dot

Get a billion brilliant colors that stay true even in bright scenes.

Anti-Reflection

Virtually reflection-free to enjoy shows without distractions.

Motion Xcelerator Turbo+

Action movies, sports and games look smooth and fluid up to 4K at 120Hz.

Ultra Viewing Angle

You've got the best view from every seat, no matter where you sit down.

Optimized Eye Comfort Mode

Enjoy an optimized display without lifting a finger. Its lighting system evaluates the brightness of your space to tailor your screen contrast.

FreeSync Premium Pro

Take down game lag and stuttering—with your TV and console teaming up.

Auto Game Mode (ALLM)

Ultra-low latency means less lag, less drag and more time to win.

Super Ultrawide GameView & Game Bar

Expand your game view and optimize how you play with these winning features.

Smart Calibration Pro

Enjoy your screen the way the director intended—in just a couple of clicks.

Real Depth Enhancer

Experience depth and dimension on screen just like you do in real life.

DESIGN

Infinity One Design

Immerse yourself in a next level viewing experience with an impossibly slim profile.

Slim One Connect

Keep your eyes on the view, and away from the wires with one tidy box.

SMART FEATURES

Smart Hub

Spend less time searching and more time streaming what you enjoy with Smart Hub.

Smart TV Powered by Tizen

Spend less time searching and more time streaming what you enjoy with Smart Hub.

Universal Guide

Get tailored recommendations for streaming and live TV all in one place with a simple on-screen guide.

Ambient Mode+

Transform your blank screen into the ultimate centerpiece with Ambient Mode+.

Multiple Voice Assistants

Just speak up—your favorite Voice Assistant is built in and ready to help.

Samsung TV Plus

Turn on and tune into free live TV with just your WiFi connection. No subscription necessary.

Multi View

Watch up to four things at once on your TV, including what's on your mobile device.

SolarCell Remote™

The rechargeable SolarCell Remote makes it easy to access and control all of your compatible connected devices with one simple remote. Includes RF harvesting to charge the remote using signals like wifi

SmartThings Compatible

Take control of your connected devices with SmartThings on your screen.

Samsung Health

Discover how a healthy and balanced lifestyle is within view—Samsung Health tools can help.

Music Wall

Create a mesmerizing mood that matches your music, no matter your playlist. When the TV's off, turn on a captivating visual experience that moves to the beat of your music.

KEY FEATURES (page 2 of 2)

CONNECTIONS

HDMI

Connect up to 4 devices with HDMI.

Wi-Fi

Enjoy your favorite on-demand content seamlessly through your existing network with built-in Wi-Fi (Wi-Fi 6).

AUDIO

Object Tracking Sound Pro

Hear what happens where it happens with 3D sound that tracks the action from all corners. With OTS Pro, audio flows from all 4 sides, the center and above your TV to put you right in the middle of the scene for a truly cinematic experience.

Q-Symphony

Surround yourself with the sound of your TV and soundbar working in harmony.

Active Voice Amplifier

Made to cut down outside noise, it compares the volume of the sound on screen with your environment so you can catch the words loud and clear.

Dolby Atmos

Be enveloped by the spectacular cinematic surround sound of Dolby Atmos built right into the TV.

INCLUDED ACCESSORIES

SolarCell Remote™ (TM-2280E)

Attachable Slim One Connect

One Connect Cables (0.3m, 2.5m in length)

User Manual and E-Manual

Power Cable

INDUSTRY CERTIFICATIONS

NextGen TV

CTA's NextGen TV logo is for devices meeting ATSC 3.0 interoperability test specifications. NextGen TV unlocks new features, additional content—and more control—for broadcast viewers.

8K Association

8K Association Certified TVs feature four times as many pixels as standard 4K TVs for impactfully realistic clarity and deliver exceptional contrast and color for striking high dynamic range performance. Visit <https://8kassociation.com/> to learn more.

8K Ultra HD

The 8K UHD logo shown on Samsung QLED 8K TV packaging indicates the product meets the Consumer Technology Association's (CTA) definition for 8K televisions.

Filmmaker Mode

Watch your movies and TV shows the way the filmmakers intended. This new picture mode preserves the director's creative intent and provides a cinematic experience.

QN850B TV

MODELS

MODEL: QN85QN850B
ORDER CODE: QN85QN850BFXZA

SCREEN SIZE CLASS: 85"

SCREEN DIAGONAL MEASUREMENT: 84.5"

UPC CODE: 887276626215

COUNTRY OF ORIGIN: Mexico

DIMENSIONS (INCHES W x H x D):

- **TV WITHOUT STAND:** 74.5 x 42.6 x 0.7
- **TV WITH STAND:** 74.5 x 45.3 x 13.4
- **SHIPPING:** 83.2 x 49.6 x 8.7
- **STAND FOOTPRINT:** 14.2 x 11.4 x 13.4

WEIGHT (LB):

- **TV WITHOUT STAND:** 97.7
- **TV WITH STAND:** 121.9
- **SHIPPING:** 157.9

VESA SUPPORT: Yes (600 x 400)

ACCESSORIES INCLUDED IN BOX:

- **REMOTE MODEL:** TM-2280E
- **ATTACHABLE SLIM ONE CONNECT**
- **ONE CONNECT CABLES (0.3m, 2.5m in length)**
- **POWER CABLE**
- **USER MANUAL**

MODEL: QN75QN850B
ORDER CODE: QN75QN850BFXZA

SCREEN SIZE CLASS: 75"

SCREEN DIAGONAL MEASUREMENT: 74.5"

UPC CODE: 887276626208

COUNTRY OF ORIGIN: Mexico

DIMENSIONS (INCHES W x H x D):

- **TV WITHOUT STAND:** 65.7 x 37.6 x 0.7
- **TV WITH STAND:** 65.7 x 40.3 x 12.5
- **SHIPPING:** 73.7 x 45 x 7.7
- **STAND FOOTPRINT:** 14.2 x 11.3 x 12.5

WEIGHT (LB):

- **TV WITHOUT STAND:** 71
- **TV WITH STAND:** 92.8
- **SHIPPING:** 122.8

VESA SUPPORT: Yes (400 x 400)

ACCESSORIES INCLUDED IN BOX:

- **REMOTE MODEL:** TM-2280E
- **ATTACHABLE SLIM ONE CONNECT**
- **ONE CONNECT CABLES (0.3m, 2.5m in length)**
- **POWER CABLE**
- **USER MANUAL and E-MANUAL**
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QN850B TV

MODEL

MODEL: QN65QN850B
ORDER CODE: QN65QN850BFXZA

SCREEN SIZE CLASS: 65"

SCREEN DIAGONAL MEASUREMENT: 64.5"

UPC CODE: 887276626192

COUNTRY OF ORIGIN: Mexico

DIMENSIONS (INCHES W x H x D):

- **TV WITHOUT STAND:** 56.8 x 32.6 x 0.7
- **TV WITH STAND:** 56.8 x 35.3 x 11.7
- **SHIPPING:** 64 x 37.3 x 8.3
- **STAND FOOTPRINT:** 14.2 x 11.4 x 11.7

WEIGHT (LB):

- **TV WITHOUT STAND:** 51.4
- **TV WITH STAND:** 68.8
- **SHIPPING:** 92.6

VESA SUPPORT: Yes (400 x 300)

ACCESSORIES INCLUDED IN BOX:

- **REMOTE MODEL:** TM-2280E
- **ATTACHABLE SLIM ONE CONNECT**
- **ONE CONNECT CABLES (0.3m, 2.5m in length)**
- **POWER CABLE**
- **USER MANUAL and E-MANUAL**
- **USER MANUAL**