Samsung QN55Q80BAFXZA

SAMSUNG 55-Inch Class QLED Q80B Series 4K UHD Smart TV Instruction Manual

Model: QN55Q80BAFXZA

1. Introduction

Thank you for choosing the SAMSUNG 55-Inch Class QLED Q80B Series 4K UHD Smart TV. This television is designed to deliver dazzling details with bold contrast, deep blacks, and pure whites, powered by Direct Full Array LED backlighting. Experience content upscaled to 4K with Quantum HDR 12x colors and cinematic surround sound from Dolby Atmos and Object Tracking Sound. This manual provides essential information for setting up, operating, and maintaining your new television.

2. What's in the Box

Please ensure all items listed below are included in your package:

- SAMSUNG 55-Inch Class QLED Q80B Series TV
- Power Cable
- SolarCell Remote™ (TM2280E)
- User Manual (this document)
- TV Stand Components

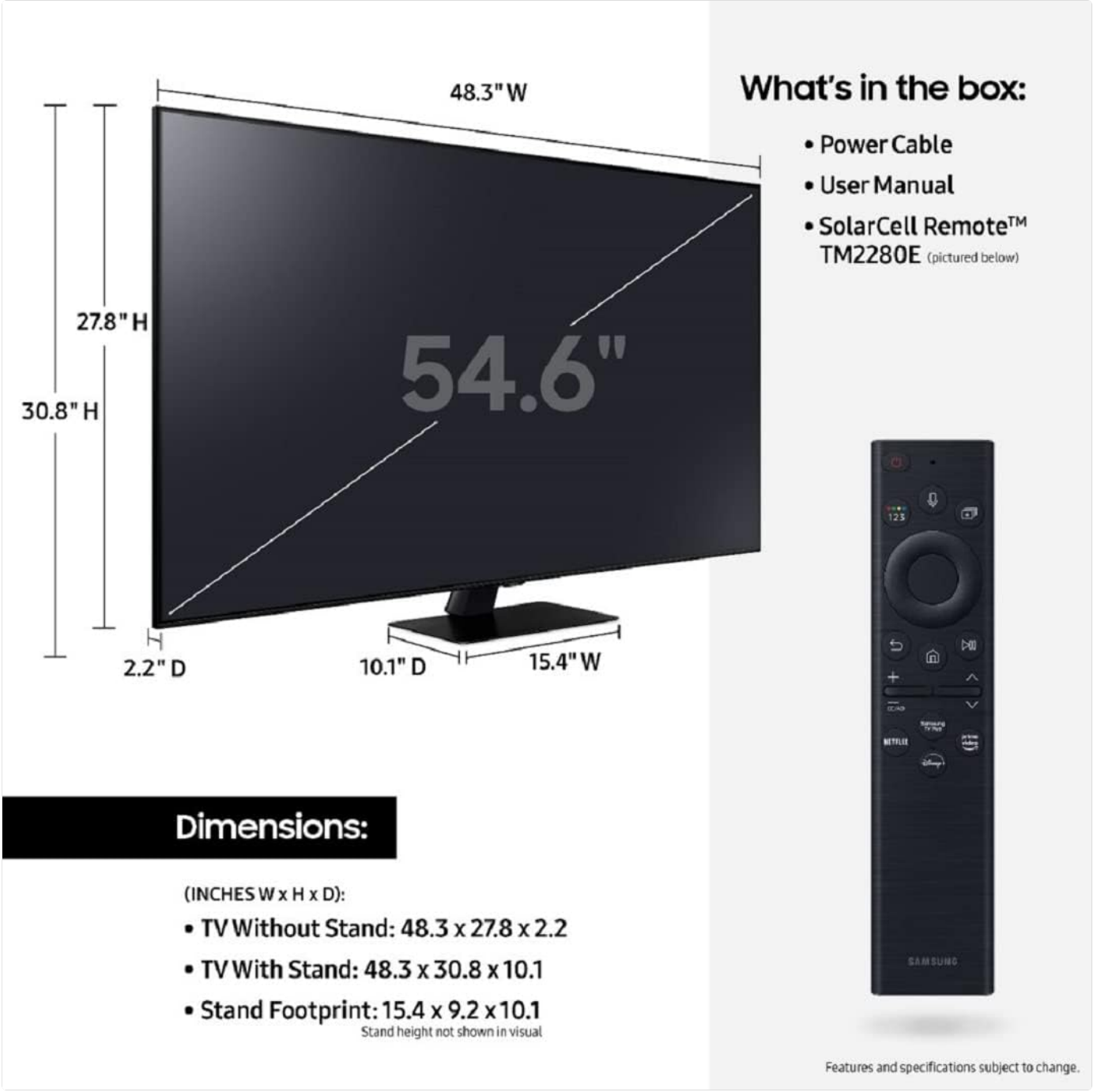


Figure 2.1: Package Contents and TV Dimensions. This diagram illustrates the physical dimensions of the 55-inch TV and lists the main items found inside the box, including the power cable, user manual, and SolarCell Remote.

3. Setup Guide

3.1 Assembling the Stand

Before placing the TV upright, carefully attach the stand to the back of the television. Ensure all screws are securely fastened. Refer to the included user manual for detailed diagrams.

Your browser does not support the video tag.

Video 3.1: Stand Assembly Demonstration. This video provides a visual guide on how to correctly attach the stand to your Samsung TV, highlighting the screw locations and proper alignment for a secure setup.

3.2 Connecting Cables

Locate the input ports on the back of your TV. Connect your power cable, HDMI devices (such as gaming consoles, cable boxes, or streaming devices), and any other necessary peripherals. The TV features multiple HDMI 2.1 ports for optimal performance with modern devices.



Figure 3.2: Rear Input Panel. This image displays the various connectivity options available on the back of the TV, including four HDMI ports, two USB ports, a LAN port, and an antenna input, allowing for diverse device connections.

3.3 Initial Power On and Alexa Registration

After connecting all cables, plug in the power cable and turn on your TV. Follow the on-screen instructions for initial setup, including connecting to your Wi-Fi network and registering your Alexa voice assistant.

Your browser does not support the video tag.

Video 3.3: How to Register Alexa. This video demonstrates the step-by-step process of setting up and registering the Alexa voice assistant on your Samsung Smart TV, enabling voice control features.

4. Key Features

4.1 Direct Full Array

Experience bold contrast with deep blacks and pure whites, achieved by precisely controlled LED lights directly behind your screen. This technology minimizes light leakage for enhanced detail.

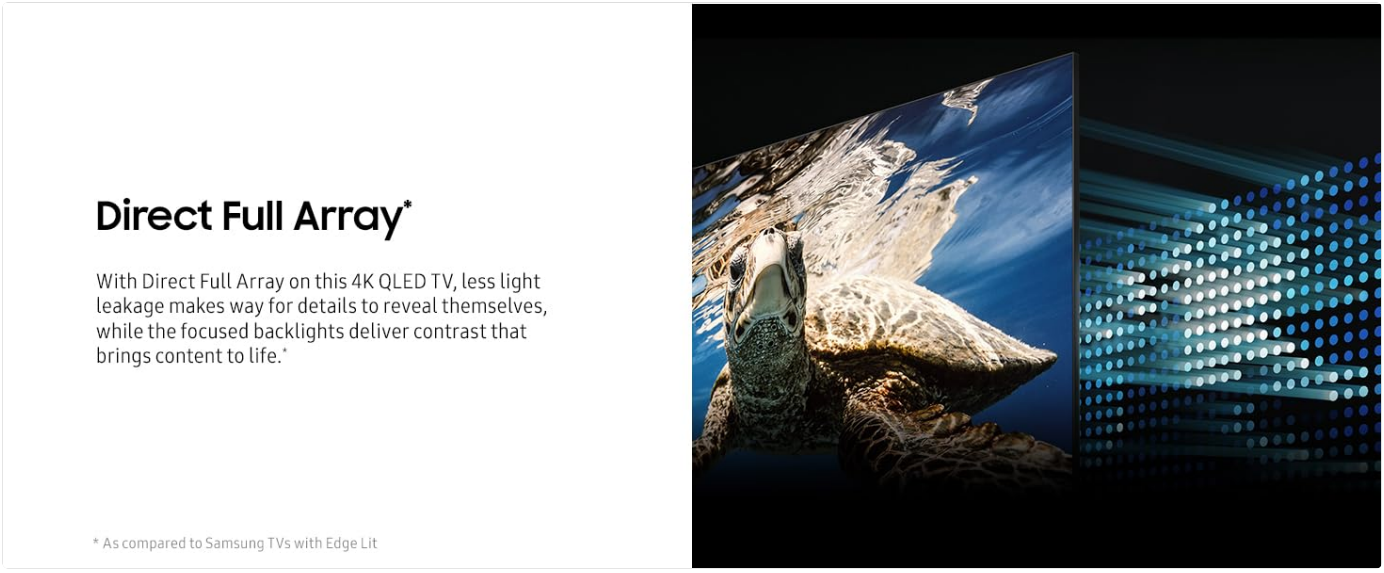


Figure 4.1: Direct Full Array. This image visually explains how Direct Full Array technology works, with LEDs directly behind the screen to control light precisely, resulting in superior contrast and detail.

4.2 Quantum Processor with 4K Upscaling

The intelligent Quantum Processor automatically converts all your content to stunning 4K resolution, enhancing your viewing experience regardless of the original source quality.

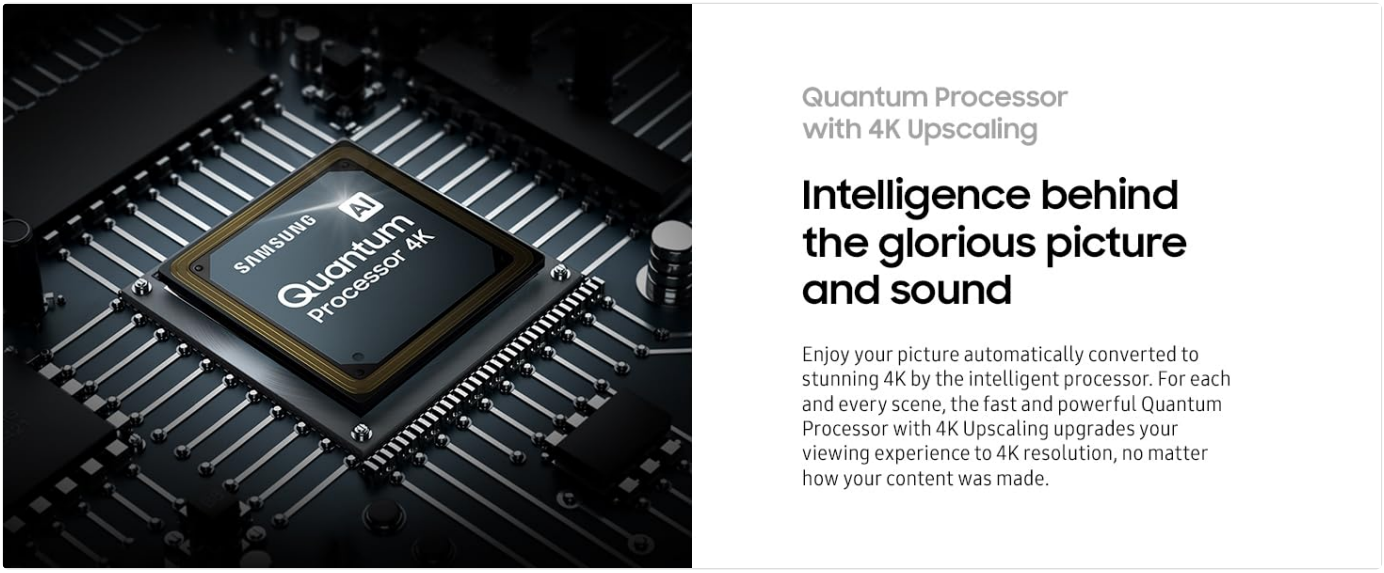


Figure 4.2: Quantum Processor 4K. This image showcases the Quantum Processor, emphasizing its intelligence in upscaling content to 4K resolution for an enhanced visual and audio experience.

4.3 Quantum HDR 12x

Witness an amazing range of immersive colors and deeper contrast. Quantum HDR 12x brings fantastic detail and brilliance to your favorite movies and shows, supporting HDR10+ for dynamic tone mapping.

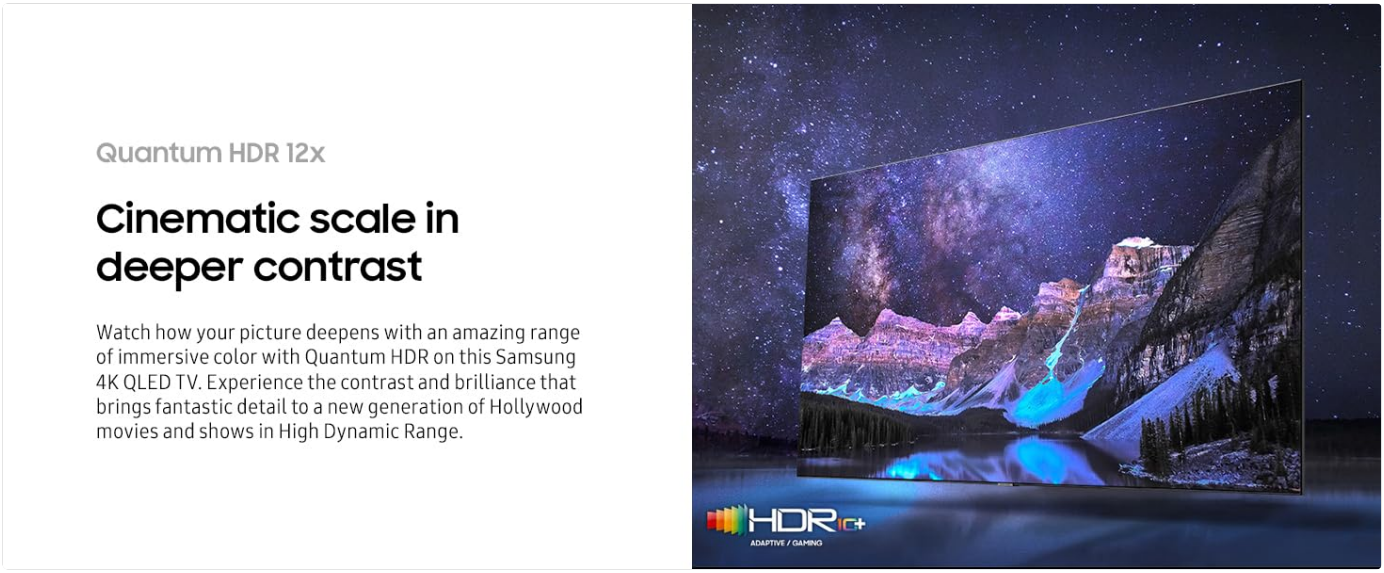


Figure 4.3: Quantum HDR 12x. This image demonstrates the cinematic scale and deeper contrast provided by Quantum HDR 12x, bringing vibrant colors and detailed visuals to life on the screen.

Your browser does not support the video tag.

Video 4.3: 4K Quantum HDR. This video highlights the enhanced color and contrast capabilities of 4K Quantum HDR, showcasing how it improves picture quality for a more immersive viewing experience.

4.4 Dolby Atmos and Object Tracking Sound

Immerse yourself in cinematic surround sound with Dolby Atmos built-in. Object Tracking Sound uses dynamic speakers to deliver audio that moves with the on-screen action, placing you right in the center of the experience.



Figure 4.4: Dolby Atmos and Object Tracking Sound. This image illustrates the immersive sound experience provided by Dolby Atmos and Object Tracking Sound, where audio follows the action on screen for a cinematic feel.

4.5 Real Depth Enhancer

Experience depth and dimension on screen just like you do in real life. Real Depth Enhancer mirrors how the human eye processes depth by increasing foreground contrast, making nature shows and other real-life programs more immersive.

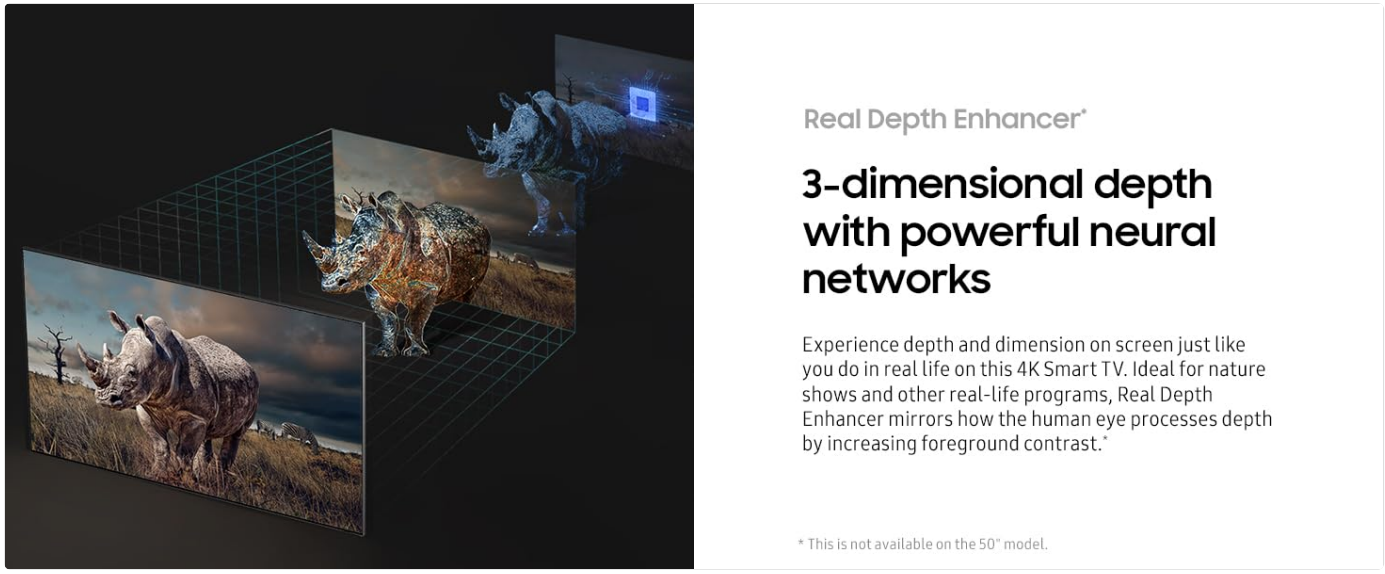


Figure 4.5: Real Depth Enhancer. This image demonstrates the Real Depth Enhancer feature, which uses powerful neural networks to create 3-dimensional depth on screen, enhancing realism.

4.6 Smart TV with Multiple Voice Assistants

This TV comes with your favorite voice assistants built-in and ready to help. Choose from Bixby, Amazon Alexa, or Google Assistant to control your TV and smart home devices.

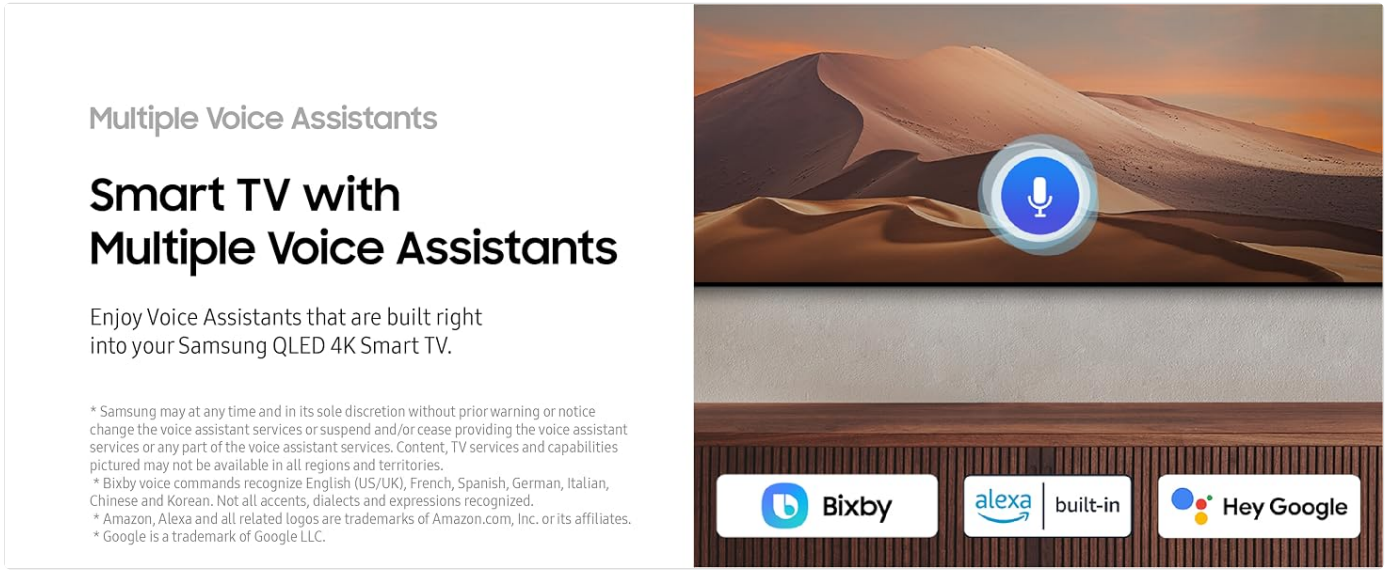


Figure 4.6: Multiple Voice Assistants. This image highlights the integration of various voice assistants like Bixby, Alexa, and Google Assistant directly into the Samsung Smart TV for convenient control.

4.7 Wide Viewing Angle

Enjoy brilliant color from every view. The Wide Viewing Angle technology ensures minimal color distortion even when viewing the screen from off-angles, providing a consistent picture quality for everyone in the room.

Your browser does not support the video tag.

Video 4.7: Wide Viewing Angle. This video demonstrates the TV's wide viewing angle capabilities, showing how the picture quality remains consistent and vibrant even when viewed from the side, minimizing color distortion.

4.8 Motion Xcelerator Turbo+

Action movies, sports, and games look smooth and crisp up to 4K 120Hz. Motion Xcelerator Turbo+ enhancements virtually eliminate lag and lessen blur, allowing you to follow every chase at soaring speeds.



Figure 4.8: Motion Xcelerator Turbo+. This image highlights the exceptional motion enhancements provided by Motion Xcelerator Turbo+, ensuring smooth and crisp visuals for fast-paced content like sports and games at 4K 120Hz.

Your browser does not support the video tag.

Video 4.8: Explore Gaming Video. This video showcases the TV's gaming features, including smooth motion and low input lag, providing an immersive and responsive gaming experience.

4.9 FreeSync Premium Pro

Enjoy virtually tear-free, stutter-free, low latency HDR gaming. FreeSync Premium Pro helps you play at peak performance with smooth gaming and vibrant HDR visuals.

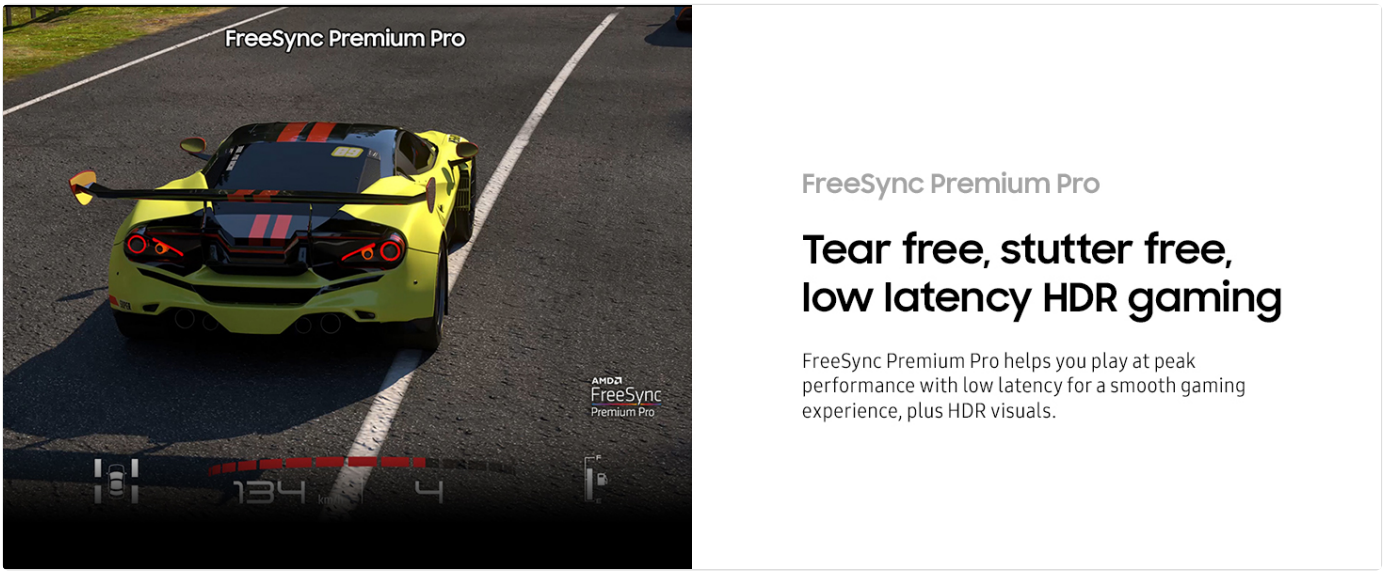


Figure 4.9: FreeSync Premium Pro. This image illustrates the benefits of FreeSync Premium Pro for gaming, promising a tear-free, stutter-free, and low-latency HDR experience.

4.10 Smart Hub

Spend less time searching and more time streaming what you enjoy with Smart Hub. Front and center, you'll find the movies, shows, games, and more you want most, all in one convenient place.

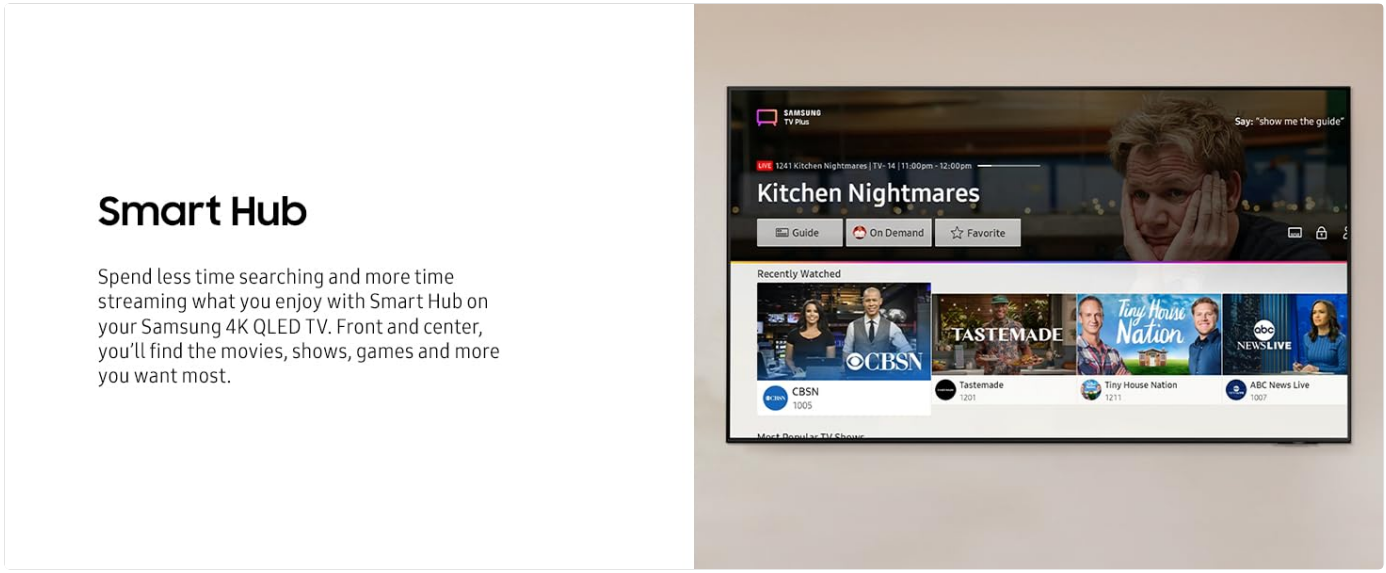


Figure 4.10: Smart Hub. This image displays the Smart Hub interface, designed for quick and easy access to favorite content, including movies, shows, and games.

4.11 SmartThings

Take control of your connected devices with SmartThings on your Samsung QLED 4K Smart TV screen. From the comfort of your couch, you can turn off lights, check the door, and more—using just your voice or remote.

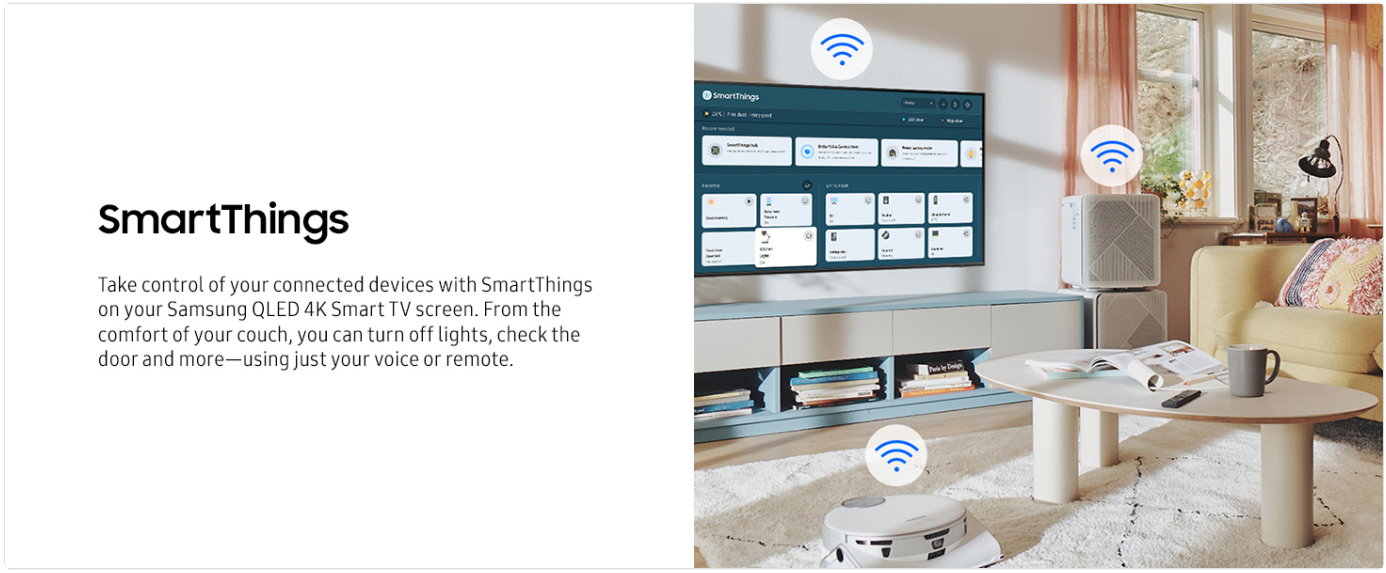


Figure 4.11: SmartThings. This image illustrates how the SmartThings feature allows users to control various connected smart home devices directly from their Samsung QLED 4K Smart TV.

4.12 Video Call Application

Make video calls with up to 32 people from the Google Duo app on your TV. For work or play, it's easier to take calls from your home on the big screen with high-quality picture and sound.

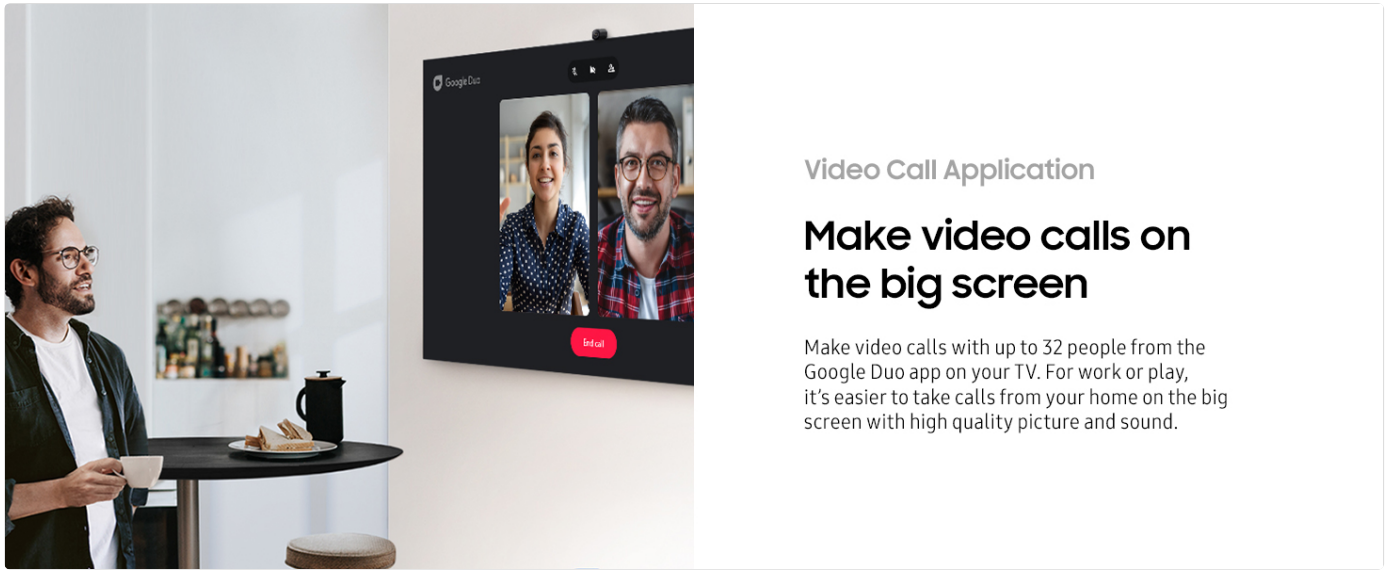


Figure 4.12: Video Call Application. This image depicts the TV's capability to host video calls using applications like Google Duo, offering a large-screen experience for communication.

5. Operating Your TV

5.1 Using the SolarCell Remote™

The included SolarCell Remote™ (TM2280E) is designed for intuitive control. It features dedicated buttons for popular streaming services like Netflix, Samsung TV Plus, Prime Video, and Disney+. The remote is solar-powered, allowing it to recharge using ambient light, or via a USB-C cable.



Figure 5.1: SolarCell Remote™. This image shows the sleek design of the SolarCell Remote, highlighting its quick access buttons for popular streaming services and its solar charging capability.

5.2 Smart Hub Navigation

Access all your favorite content, apps, and settings through the Smart Hub. Use the directional pad on your remote to navigate through the intuitive interface. The Smart Hub provides personalized recommendations and quick access to streaming services, live TV, and connected devices.

5.3 Voice Control

Utilize the built-in voice assistants (Alexa, Bixby, Google Assistant) for hands-free control. Press the voice button on your remote or simply say the wake word (if hands-free is enabled) to search for content, change channels, adjust volume, or control smart home devices.

5.4 Multi View

The Multi View feature allows you to watch multiple content sources simultaneously on your screen. This is ideal for watching sports while browsing the web or following a tutorial while working. You can adjust the layout and size of the screens to suit your preferences.

6. Maintenance

6.1 Cleaning the TV Screen

To clean the screen, gently wipe it with a soft, dry microfiber cloth. For stubborn smudges, lightly dampen the cloth with distilled water. Avoid using harsh chemicals, abrasive materials, or direct spraying of liquids onto the screen.

6.2 Cleaning the Remote Control

Wipe the remote control with a soft, dry cloth. Do not use liquid cleaners or spray directly onto the remote. Ensure the solar panel on the back of the remote is kept clean and exposed to light for optimal charging.

7. Troubleshooting

7.1 No Power

- Ensure the power cable is securely plugged into both the TV and a working electrical outlet.
- Check if the outlet is functioning by plugging in another device.
- Press the power button on the TV itself, not just the remote, to rule out a remote issue.

7.2 No Picture/Sound

- Verify that the correct input source is selected (e.g., HDMI 1, HDMI 2).
- Check all cable connections (HDMI, optical, etc.) to ensure they are firm and correctly inserted.
- Restart any connected devices (cable box, gaming console).

7.3 Remote Control Not Responding

- Ensure the remote is charged. Expose the solar panel to light or connect a USB-C cable.
- Point the remote directly at the TV.
- If the issue persists, try resetting the remote by removing and reinserting batteries (if applicable) or performing a soft reset as per the remote's specific instructions.

8. Specifications

Feature	Specification
Brand	Samsung
Model Name	QN55Q80BAFXZA
Screen Size	54.6 Inches (55-Inch Class)

Display Technology	QLED
Resolution	4K UHD
Refresh Rate	120 Hz
HDR Format Supported	HDR10+, Quantum HDR 12X
Motion Enhancement Technology	Motion Xcelerator Turbo+
Audio Output Mode	Surround (Dolby Atmos)
Speaker Configuration	2.2.2 with Object Tracking Sound
Connectivity Technology	Bluetooth, HDMI, Wi-Fi
Total Number of HDMI Ports	4
Total USB Ports	3 (2x USB 2.0, 1x USB 3.0)
Operating System	Tizen
Voice Assistants	Bixby, Amazon Alexa, Google Assistant
VESA Mount Standard	200 x 200 mm
Product Dimensions (D x W x H)	10.1"D x 48.3"W x 30.8"H
Item Weight	46.3 Pounds
Model Year	2022

9. Warranty and Support

9.1 Manufacturer's Warranty

This Samsung TV comes with a **1 Year Manufacturer's Limited Warranty**. Please retain your proof of purchase for warranty claims. The warranty covers defects in materials and workmanship under normal use.

9.2 Customer Support

For technical assistance, troubleshooting, or warranty inquiries, please contact Samsung Customer Service. Refer to the official Samsung website or the contact information provided in your warranty card for the most up-to-date support details.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question