CLASS HIERARCHY

| Micro RGB |
| OLED ◄ |
| Neo QLED |
| Mini LED |
| Crystal UHD |

SIZE CLASS

Size	Model
83"	QN83S90HAEXZA
77"	QN77S90HAEXZA
65"	QN65S90HAEXZA
55"	QN55S90HAEXZA
48"	QN48S90HAEXZA
42"	QN42S90HAEXZA

Samsung Vision AI ✨   HDR10+ ADVANCED   NVIDIA G-SYNC   PANTONE Validated

UP TO 165Hz   Dolby Atmos   AMD FreeSync Premium Pro   SmartThings

Level up your OLED experience and leave distracting reflections behind with Glare Free technology. Self-illuminating pixels deliver precise contrast and color. Video games look ultra-smooth with the Ultimate Gaming Pack, made better with our AI-powered processor for more depth and detail[1].

TOP 10 KEY FEATURES

1. OLED HDR+ with Glare Free[2]
2. NQ4 AI Gen3 Processor[3]
3. Ultimate Gaming Pack[4]
4. 4K AI Upscaling Pro[3]
5. AI Motion Enhancer Pro[6]

6. Auto HDR Remastering
7. AI Sound Controller Pro[5]
8. Dolby Atmos and Object Tracking Sound Lite
9. Active Voice Amplifier Pro and Adaptive Sound Pro
10. AI Customization Mode[6]

PICTURE (PANEL)

Display Type: OLED

Refresh Rate: 165Hz (VRR Support)

Lighting Technology: Self-illuminating pixels

Display Resolution: 4K (3,840 x 2,160)

Anti Reflection: Glare Free

Viewing Angle: Ultra Viewing Angle

Dimming Technology: N/A

PICTURE (PROCESSING)

Processor: NQ4 AI Gen3 Processor[6]

Upscaling: 4K AI Upscaling Pro[6]

Variable Refresh Rate (VRR): Yes

Motion Handling: Motion Xcelerator 165Hz[7]

DLG (Dual Line Gate): N/A

Contrast Enhancer: Real Depth Enhancer

Contrast Booster: Yes

AI Motion Enhancer: Pro[6]

Color: Perceptional Color Mapping

Color Booster: Pro[6]

HDR (High Dynamic Range): 83"- 55": OLED HDR +48"- 42": OLED HDR

HDR10+: Yes (Adaptive/Gaming/Advanced)

Auto HDR Remastering: Yes

Adaptive Picture: AI Optimized / AI Customization

Supersize Picture Enhancer: N/A

AUDIO

Speaker Type: 83"-48": 2.1CH   42": 2CH

Output Power (W): 83"-48": 40W 42": 20W

Dolby Atmos: Yes

Object Tracking Sound (OTS): OTS Lite

Q-Symphony: Yes[8]

Active Voice Amplifier (AVA): AVA Pro[6]

Adaptive Sound: Pro[6]

Bluetooth Audio: Yes

360 Audio: Yes

DESIGN

TV Design: LaserSLim

Bezel Type: 4 Bezel-less

Front Color: Graphite Black

Stand Type: 83" - 48": Simple Plus Blade 42": Simple Blade

Stand Color: 83"- 48": Space Titan 42": Black

Adjustable Stand: 83"-48": N/A 42": Yes

CONNECTIVITY

Wi-Fi: Yes (Wi-Fi 6E)

Bluetooth: Yes (BT5.3)

One Connect Box: N/A

HDMI Inputs: 4 Ports[9]

HDMI Maximum Input Rate: 4K 165Hz (for HDMI 1/2/3/4)

HDMI Audio Return Channel: eARC

HDMI-CEC: Yes

USB Ports: 3 x USB-A

Ethernet (LAN): Yes

Digital Audio Out (Optical): Yes

RF Connection: Yes

RS-232C Input: Yes

Samsung Vision AI ✨[10]

Vision AI Companion: Yes[11,6]

AI Soccer Mode: Pro[12]

AI Sound Controller: Pro[5]

Live Translate: Yes

Generative Wallpaper: N/A

Multi AI Agents (Copilot & Perplexity): Yes

Pet & Family Care: Yes

Home Insight: Yes:

TV ART FEATURES

Art Mode: N/A

Art Store: N/A[13]

SMART TV FEATURES[14]

Operating System: One UI Tizen

Free Ad Support TV: Samsung TV Plus

Smart Home Connectivity[15]: SmartThings, Matter, IoT-Sensor Functionality, Quick Remote

Smart Assistants (Built-In): Bixby, Alexa

Smart Assistants (Works with): Google Assistant

Far-Field Voice Interations: Yes

Web Browser: Yes

Samsung Health: Yes[16]

Multi Device Experience: Mobile to TV, TV initiates 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: Yes[17]

Multi-Control: Yes

Storage Share: Yes

GAMING

Gaming Hub: Yes[18]

Cloud Gaming: Yes - Xbox, NVIDIA GeForce Now, Luna, Blacknut, Antstream, Boosteroid

Auto Game Mode: AI Auto Game Mode

ALLM (Auto Low Latency Mode): Yes

Game Motion Plus: Yes

Super Ultra Wide Game View: Yes[19]

Game Bar: Yes

Mini Map Zoom: Yes

AMD FreeSync: 83"- 48": Freesync Premium™ Pro 42": Freesync Premium™

NVIDIA G-SYNC: Yes

HGiG: Yes

Hue Sync: Yes

SECURITY

Knox Vault: N/A

Knox Security: 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 SolarCell™ Remote TM2660H

Power Cable: Yes

Slim Fit Wall-mount Support: Yes

MODELS

MODEL: QN83S90H
ORDER CODE: QN83S90HAEXZA

SCREEN SIZE CLASS: 83"

SCREEN DIAGONAL MEASUREMENT: 82.5"

UPC CODE: 198957269066

COUNTRY OF ORIGIN: MEXICO

DIMENSIONS (INCHES W X H X D):
· TV without Stand: 72.9 x 41.8 x 1.8
· TV with Stand (Lowest): 72.9 x 44.6 x 14.1
· TV with Stand (Highest): N/A
· Distance between stand (Default): N/A
· Distance between stand (Minimum): N/A
· Shipping: 79.7 x 48.6 x 7.4
· Stand Footprint: 14.4 x 12.8 x 14.1

WEIGHT (LB):
· TV without Stand: 82.9
· TV with Stand: 86.9
· Shipping: 109.8

VESA SUPPORT: (400 X 300)

ACCESSORIES INCLUDED IN BOX:
· Remote Model: BBT SolarCell™ Remote TM2660H
· Power Cable
· User Manual

WARRANTY: CLICK HERE

MODEL: QN77S90H
ORDER CODE: QN77S90HAEXZA

SCREEN SIZE CLASS: 77"

SCREEN DIAGONAL MEASUREMENT: 76.6"

UPC CODE: 198957269059

COUNTRY OF ORIGIN: MEXICO

DIMENSIONS (INCHES W X H X D):
· TV without Stand: 67.7 x 38.9 x 1.8
· TV with Stand (Lowest): 67.7 x 41.7 x 14.1
· TV with Stand (Highest): N/A
· Distance between stand (Default): N/A
· Distance between stand (Minimum): N/A
· Shipping: 74.2 x 45.4 x 7.1
· Stand Footprint: 14.4 x 12.8 x 14.1

WEIGHT (LB):
· TV without Stand: 71.4
· TV with Stand: 75.4
· Shipping: 103.2

VESA SUPPORT: YES (400 X 300)

ACCESSORIES INCLUDED IN BOX:
· Remote Model: BT SolarCell™ Remote TM2660H
· Power Cable
· User Manual

WARRANTY: CLICK HERE

MODEL: QN65S90H
ORDER CODE: QN65S90HAEXZA

SCREEN SIZE CLASS: 65"

SCREEN DIAGONAL MEASUREMENT: 64.5"

UPC CODE: 198957270574

COUNTRY OF ORIGIN: MEXICO

DIMENSIONS (INCHES W X H X D):
· TV without Stand: 56.9 x 32.7 x 1.6
· TV with Stand (Lowest): 56.9 x 35.3 x 10.4
· TV with Stand (Highest): N/A
· Distance between stand (Default): N/A
· Distance between stand (Minimum): N/A
· Shipping: 63.7 x 37.4 x 6.3
· Stand Footprint: 14.4 x 11.8 x 10.4

WEIGHT (LB):
· TV without Stand: 42.1
· TV with Stand: 45
· Shipping: 61.7

VESA SUPPORT: YES (300 X 200)

ACCESSORIES INCLUDED IN BOX:
· Remote Model: BT SolarCell™ Remote TM2660H
· Power Cable
· User Manual

WARRANTY: CLICK HERE

MODEL: QN55S90H
ORDER CODE: QN55S90HAEXZA

SCREEN SIZE CLASS: 55"

SCREEN DIAGONAL MEASUREMENT: 54.6"

UPC CODE: 198957270567

COUNTRY OF ORIGIN: MEXICO

DIMENSIONS (INCHES W X H X D):
· TV without Stand: 48.2 x 27.9 x 1.6
· TV with Stand (Lowest): 48.2 x 30.5 x 10.4
· TV with Stand (Highest): N/A
· Distance between stand (Default): N/A
· Distance between stand (Minimum): N/A
· Shipping: 54.5 x 32.8 x 6
· Stand Footprint: 14.4 x 11.8 x 10.4

WEIGHT (LB):
· TV without Stand: 32.2
· TV with Stand: 35.1
· Shipping: 47.2

VESA SUPPORT: YES (300 X 200)

ACCESSORIES INCLUDED IN BOX:
· Remote Model: BT SolarCell™ Remote TM2660H
· Power Cable
· User Manual

WARRANTY: CLICK HERE

MODELS

MODEL: QN48S90H ORDER CODE: QN48S90HAEXZA	MODEL: QN42S90H ORDER CODE: QN42S90HAEXZA
SCREEN SIZE CLASS: 48"	SCREEN SIZE CLASS: 42"
SCREEN DIAGONAL MEASUREMENT: 47.5"	SCREEN DIAGONAL MEASUREMENT: 41.5"
UPC CODE: 198957269028	UPC CODE: 198957268953
COUNTRY OF ORIGIN: MEXICO	COUNTRY OF ORIGIN: MEXICO

DIMENSIONS (INCHES W X H X D):

Left (QN48S90H):
- TV without Stand: 42.1 x 24.4 x 1.6
- TV with Stand (Lowest): 42.1 x 27 x 10.4
- TV with Stand (Highest): N/A
- Distance between stand (Default): N/A
- Distance between stand (Minimum): N/A
- Shipping: 47.3 x 29.4 x 5.6
- Stand Footprint: 14.4 x 11.8 x 10.4

Right (QN42S90H):
- TV without Stand: 36.8 x 21.4 x 1.6
- TV with Stand (Lowest): 36.8 x 23.9 x 8.1
- TV with Stand (Highest): N/A
- Distance between stand (Default): 25.7"
- Distance between stand (Minimum): N/A
- Shipping: 41.4 x 25.9 x 5.2
- Stand Footprint: 1.3 x 7.7 x 8.1

WEIGHT (LB):

Left (QN48S90H):
- TV without Stand: 23.4
- TV with Stand: 26.2
- Shipping: 36.4

Right (QN42S90H):
- TV without Stand: 18.3
- TV with Stand: 19.2
- Shipping: 26

VESA SUPPORT: (300 X 200) | **VESA SUPPORT:** YES (200 X 200)

ACCESSORIES INCLUDED IN BOX:

Left (QN48S90H):
- Remote Model: BBT SolarCell™ Remote TM2660H
- Power Cable
- User Manual

Right (QN42S90H):
- Remote Model: BT SolarCell™ Remote TM2660H
- Power Cable
- User Manual

WARRANTY: CLICK HERE | **WARRANTY:** CLICK HERE