CLASS HIERARCHY

- Micro RGB
- ▶ **OLED**
- Neo QLED
- Mini LED
- Crystal UHD

SIZE CLASS

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™
- **NVIDA 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

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914-723-3344
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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

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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): · 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	DIMENSIONS (INCHES W X H X D): · 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): · TV without Stand: 23.4 · TV with Stand: 26.2 · Shipping: 36.4	WEIGHT (LB): · 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: · Remote Model: BBT SolarCell™ Remote TM2660H · Power Cable · User Manual	ACCESSORIES INCLUDED IN BOX: · Remote Model: BT SolarCell™ Remote TM2660H · Power Cable · User Manual
WARRANTY: CLICK HERE	WARRANTY: CLICK HERE

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*4K 165Hz is only available with PC-connected games that support such specifications (PC graphic card required). Performance may vary.
[1]As compared to Samsung OLED S85H
[2]42" & 48" have OLED HDR and Glare Free.
[3]Utilizes AI-Based formulas to upscale to 4K resolution. Resulting picture may vary based on source content.
[4]42" S90H features FreeSync Premium.4K 165Hz is only available with PC-connected games that support such specifications (PC graphic card required). Performance and viewing experience may vary according to types of content and graphics processing unit.
[5]Feature availability varies by input source/app. Utilizes AI-based formulas; results vary. Samsung account and internet access required.
[6]Utilizes AI-Based formulas
[7]4K 165Hz is only available with PC-connected games that support such specifications (PC graphic card required). Performance may vary.
[8]Q-Symphony requires a compatible 2020-2026 Samsung TV. Please refer to samsung.com for more information.
[9]HDMI-CEC (Consumer Electronics Control) facilitates convenient control functions with compatible devices.
[10]Samsung Vision AI features vary by model; see individual model for more info.
[11]AI 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.
[12]AI Soccer Mode must be turned on in settings. Utilizes AI-based formulas
[13]Fees apply to subscription service.
[14]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 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.
[15]SmartThings require compatible devices only. SmartThings app download may be required.
[16]Subscriptions may be required for some services. Smart Trainer support devices may vary by country.
[17]Requires 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.)
[18]High speed internet connection, additional gaming service subscriptions and compatible controller required.
[19]Super 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.