**SAMSUNG**

# Samsung Series 9 QE77S90CAT 195.6 cm (77") 4K Ultra HD Smart TV Wi-Fi Black

**Brand :** Samsung          **Product family:** Series 9          **Product code:**
QE77S90CATXXU

**Product name :** QE77S90CAT

- OLED: Pure blacks and infinite contrast meets vibrant colours from Quantum Dot
- Quantum HDR OLED: Powerful HDR OLED brightness for lifelike picture detail
- Neural Quantum Processor 4K: Our most powerful 4K AI processor upgrades content to 4K resolution
- Anti-Reflection Screen: Experience the brilliant picture from every angle, with minimal distracting glare
- Dolby Atmos®: Virtual surround sound with Dolby Atmos Technology
2023 77" S90C OLED 4K HDR Smart TV
Samsung Series 9 QE77S90CAT. Display diagonal: 195.6 cm (77"), Display resolution: 3840 x 2160 pixels, HD type: 4K Ultra HD, Display technology: OLED, Screen shape: Flat. Smart TV. Motion interpolation technology: Motion Xcelerator Turbo Pro, Native aspect ratio: 16:9. Digital signal format system: DVB-C, DVB-S2, DVB-T2. Wi-Fi, Ethernet LAN. Product colour: Black

## Display

| | |
|---|---|
| Display diagonal * | 195.6 cm (77") |
| HD type * | 4K Ultra HD |
| Display technology * | OLED |
| Screen shape * | Flat |
| Native aspect ratio * | 16:9 |
| Motion interpolation technology * | Motion Xcelerator Turbo Pro |
| Native refresh rate | 120 Hz |
| Display resolution * | 3840 x 2160 pixels |
| Display diagonal (metric) | 196 cm |
| Anti-glare screen | ✓ |

## TV tuner

| | |
|---|---|
| Tuner type * | Analog & digital |
| Digital signal format system * | DVB-C, DVB-S2, DVB-T2 |
| Auto channel search | ✓ |

## Smart TV

| | |
|---|---|
| Smart TV * | ✓ |
| Internet TV * | ✓ |
| Operating system installed * | Tizen |
| Timeshift | ✓ |
| Screen mirroring | ✓ |
| Hybrid Broadcast Broadband TV (HbbTV) | ✓ |
| Hybrid Broadcast Broadband TV (HbbTV) version | 2.0.3 |
| Smart modes | Filmmaker, Game, Movie |
| Far-field voice interaction | ✓ |
| Video apps | Samsung TV Plus |

## Audio

| | |
|---|---|
| Number of speakers * | 3 |
| RMS rated power * | 40 W |
| Audio output channels | 2.1 channels |
| Built-in subwoofer | ✓ |
| Audio decoders | Dolby Atmos, Dolby Digital, Dolby Digital Plus |
| Audio pre-selection descriptor | ✓ |

## Performance

| | |
|---|---|
| AMD FreeSync | ✓ |
| AMD FreeSync type | FreeSync Premium |
| Game features | Auto Low Latency Mode (ALLM), Dynamic Black EQ, Game Bar, Game Motion Plus, Super Ultra Wide Game View |
| 4K Ultra HD upscaling | ✓ |
| SmartThings app support | ✓ |
| Wireless Dex support | ✓ |
| Multi View | ✓ |
| MBR support | ✓ |
| Smartphone/tablet remote support | ✓ |
| USB recording | ✓ |

## Ports & interfaces

| | |
|---|---|
| Audio Return Channel (ARC) | ✓ |
| PC in (D-Sub) * | ✗ |
| Ethernet LAN (RJ-45) ports | 1 |
| USB 2.0 ports quantity * | 2 |
| Digital audio optical out | 1 |
| RF ports quantity | 4 |
| Common interface (CI) * | ✓ |
| Common interface Plus (CI+) * | ✓ |
| Common interface Plus (CI+) version | 1.4 |
| HDMI ports quantity * | 4 |
| Consumer Electronics Control (CEC) | Anynet+ |

## Management features

| | |
|---|---|
| Voice control | ✓ |
| Voice guide | ✓ |
| Electronic Programme Guide (EPG) | ✓ |
| On Screen Display (OSD) | ✓ |
| Number of OSD languages | 29 |
| Picture-in-Picture | ✓ |
| Auto power off | ✓ |
| Works with Samsung Bixby | ✓ |
| Universal Browse & Play | ✓ |

## Audio

| | |
|---|---|
| Q-Symphony | ✔ |
| Music wall | ✔ |
| Active voice amplifier (AVA) | ✔ |
| Adaptive sound+ | ✔ |
| Multiroom | ✔ |
| Multiroom audio technology | Samsung Multiroom Link |

## Network

| | |
|---|---|
| Wi-Fi * | ✔ |
| Wi-Fi standards | Wi-Fi 5 (802.11ac) |
| Bluetooth * | ✔ |
| Bluetooth version | 5.2 |
| Ethernet LAN * | ✔ |
| Web browser | ✔ |

## Design

| | |
|---|---|
| Product colour * | Black |
| VESA mounting * | ✔ |
| Panel mounting interface | 300 x 200 mm |
| Bezel type | 4 Bezel-less |
| Stand type | Center stand |
| Stand colour | Black |

## Performance

| | |
|---|---|
| High Dynamic Range (HDR) technology | High Dynamic Range 10+ Adaptive (HDR10 Plus Adaptive), Hybrid Log-Gamma (HLG), Quantum HDR |
| Game mode | ✔ |
| Teletext function | ✔ |
| Subtitles function | ✔ |
| Ambient light sensor | ✔ |
| Ambient mode | Ambient Mode+ |
| Eco sensor | ✔ |
| Brightness detection | ✔ |
| Colour detection | ✔ |
| AI Upscale | ✔ |
| TV key support | ✔ |
| Picture processing technology | Neural Quantum Processor 4K, Samsung Real Depth Enhancer |
| Noise reduction * | ✔ |
| High Dynamic Range (HDR) supported * | ✔ |
| Multi-screen | ✔ |

## Power

| | |
|---|---|
| Power consumption (typical) * | 117 W |
| Power consumption (standby) * | 0.5 W |
| Power consumption (max) | 460 W |
| Energy efficiency class (SDR) * | F |
| Energy efficiency class (HDR) * | G |
| Energy consumption (SDR) per 1000 hours * | 117 kWh |
| Energy consumption (HDR) per 1000 hours * | 188 kWh |
| AC input voltage | 220-240 V |
| AC input frequency | 50 - 60 Hz |
| Energy saving mode | ✔ |
| Energy efficiency scale | A to G |

## Brand-specific features

| | |
|---|---|
| Samsung technologies (AV/TV) | Motion Xcelerator Turbo Pro |

## Weight & dimensions

| | |
|---|---|
| Width (with stand) | 1718.5 mm |
| Depth (with stand) | 359.8 mm |
| Height (with stand) | 1044.7 mm |
| Weight (with stand) | 38 kg |
| Width (without stand) | 1718.5 mm |
| Depth (without stand) | 44.9 mm |
| Height (without stand) | 987.6 mm |
| Weight (without stand) | 35.2 kg |
| Stand width | 36.6 cm |
| Stand depth | 36 cm |

## Packaging data

| | |
|---|---|
| Package width | 1890 mm |
| Package depth | 192 mm |
| Package height | 1182 mm |
| Package weight | 49.5 kg |
| Package type | Box |

## Packaging content

| | |
|---|---|
| Cables included | AC |
| Remote control included | ✔ |
| Remote control type | TM2360E (UK + TM1240A) |
| E-manual | ✔ |

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