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
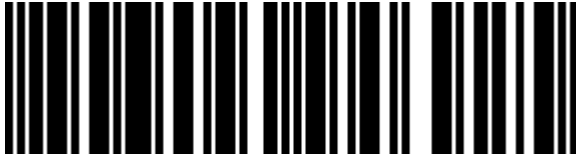
Product name : QE77S90CAT

- 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 (HDR) *	G
Energy efficiency class (SDR) *	F
Energy consumption (HDR) per 1000 hours *	188 kWh
Energy consumption (SDR) per 1000 hours *	117 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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