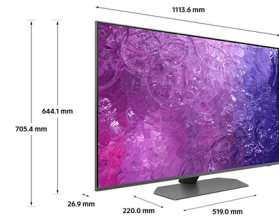**SAMSUNG**

Samsung QE50QN90CATXXU TV 127 cm (50") 4K Ultra HD Smart TV Wi-Fi

Brand : Samsung

Product name : QE50QN90CATXXU

Product code: QE50QN90CATXXU

- Powered by Quantum Dot for a naturally bright and colourful picture
- Precisely controlled Mini LEDs create an incredibly sharp picture
- 4K 144Hz TV motion for gaming-monitor performance
- Brightness, colour and detail boosted by our most intelligent AI-powered 4K processor
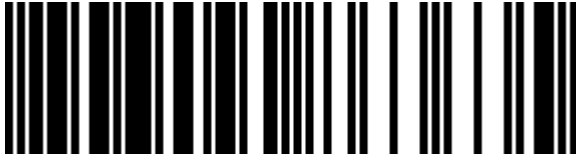- Virtual surround sound with Dolby Atmos technology

2023 50" QN90C Neo QLED 4K HDR Smart TV

Samsung QE50QN90CATXXU. Display diagonal: 127 cm (50"), HD type: 4K Ultra HD, Display technology: QLED. Smart TV. Contrast ratio (typical): 16:9, Native aspect ratio: 16:9. Wi-Fi

Display	
Display diagonal *	127 cm (50")
HD type *	4K Ultra HD
Display technology *	QLED
Native aspect ratio *	16:9
Contrast ratio (typical) *	16:9
Contrast ratio (dynamic)	16:9

TV tuner	
Tuner type *	Analog & digital
Auto channel search	✓

Smart TV	
Smart TV *	✓
Operating system installed *	Tizen
Operating system version	Tizen
Screen mirroring	✓
Apple AirPlay 2 support	✓
Video apps	All 4, Apple TV, BBC iPlayer, BritBox, Catch-up TV, Disney+, Google TV, ITV Hub, My5, NOW TV, Netflix, Rakuten TV, YouTube
Music apps	Amazon Music, Apple Music, BBC Sounds, Spotify
Sports apps	BT Sport
Lifestyle apps	TikTok

Audio	
Number of speakers *	4
RMS rated power *	40 W
Audio decoders	Dolby Atmos
Sound modes	Game, Movie
Enhanced Audio Return Channel (eARC)	✓
Audio system	Dolby Atmos

Ports & interfaces	
HDMI ports quantity *	4

Management features	
Voice control	✓
Electronic Programme Guide (EPG)	✓
Auto power off	✓
Sleep timer	✓
Works with Amazon Alexa	✓
Works with the Google Assistant	✓
Works with Samsung Bixby	✓

Power	
Power consumption (standby) *	0.5 W
Energy saving mode	✓

Technical details	
Sound technology	Dolby atmos
Processor	Neural Quantum Processor 4K

Weight & dimensions	
Width (with stand)	1113.6 mm
Depth (with stand)	220 mm
Height (with stand)	705.4 mm
Weight (with stand)	17.6 kg
Width (without stand)	1113.6 mm
Depth (without stand)	26.9 mm
Height (without stand)	644.1 mm
Weight (without stand)	13.5 kg
Stand width	51.9 cm
Stand depth	22 cm

Packaging data	
Screws included	✓
Quick start guide	✓
Manual	✓

Network

Wi-Fi *	✓
Bluetooth *	✓
Miracast	✗

Design

VESA mounting *	✓
Panel mounting interface	200 x 200 mm
Stand type	Hexagon stand

Performance

High Dynamic Range (HDR) technology	High Dynamic Range 10+ Adaptive (HDR10 Plus Adaptive), High Dynamic Range 10+ Gaming (HDR10 Plus Gaming)
Game mode	✓
Subtitles function	✓
Dolby Vision	✗
Ambient light sensor	✓
Backlight dimming technology	Local Dimming
High Dynamic Range (HDR) supported *	✓
AMD FreeSync	✓
NVIDIA G-SYNC	✗
4K Ultra HD upscaling	✓
Auto standby	✓
Parental control	✓
USB recording	✓
USB playback	✓

Ports & interfaces

HDMI version	2.1
Audio Return Channel (ARC)	✓
Ethernet LAN (RJ-45) ports	1
Digital audio optical out	1
RF ports quantity	1
Common interface (CI) *	✓
Common interface Plus (CI+) *	✓

Packaging data

Package width	1317 mm
Package depth	140 mm
Package height	767 mm
Package weight	22.5 kg

Packaging content

Mounting kit	✗
Remote control included	✓
Remote control type	TM2360E+TM1240A
Smart Remote included	✓

Other features

Hybrid Log-Gamma (HLG)	✓
3D	✗
Motion control	✗
Annual energy consumption	90 kWh
Aerial input	DVB-T2CS2 x 2
HDMI	✓
Country of origin	Slovakia
Dimensions (W x D x H) with stand	1113.6 x 220 x 705.4 mm
Mains power	✓
Stand	Carbon Silver Sharp Neck Hexagon
Picture mode	Film, filmmaker
Smart TV applications	SmartThings
Analogue tuner	✓
DVB-T2 tuner	✓
Dimensions (with stand) (WxHxD)	1113.6 x 705.4 x 220 mm
News apps	BBC
Stand weight	4.1 kg

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