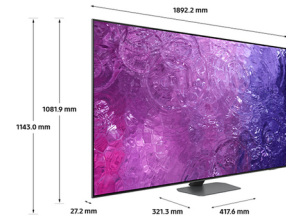


# Samsung QE85QN90CATXXU TV 2.16 m (85") 4K Ultra HD Smart TV Wi-Fi Silver

**Brand :** Samsung

**Product code:** QE85QN90CATXXU

**Product name :** QE85QN90CATXXU



- Powered by Quantum Dot for a naturally bright and colourful picture
- Precisely controlled Mini LEDs create an incredibly sharp picture.
- Experience the brilliant picture from every angle, with minimised distracting glare
- Brightness, colour and detail boosted by our most intelligent AI-powered 4K processor
- Cinematic sound reimagined with Dolby Atmos and 8 TV speakers\*

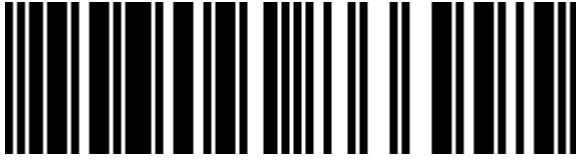
2023 85" QN90C Neo QLED 4K HDR Smart TV

Samsung QE85QN90CATXXU. Display diagonal: 2.16 m (85"), Display resolution: 3840 x 2160 pixels, HD type: 4K Ultra HD, Display technology: Neo QLED, Screen shape: Flat. Smart TV. Contrast ratio (typical): 16:9, Native aspect ratio: 16:9. Digital signal format system: DVB-C, DVB-S2, DVB-T2. Wi-Fi, Ethernet LAN. Product colour: Silver



Display		Ports & interfaces	
Display diagonal *	2.16 m (85")	HDMI version	2.1
HD type *	4K Ultra HD	Audio Return Channel (ARC)	✓
Display technology *	Neo QLED	PC in (D-Sub) *	✗
Screen shape *	Flat	Ethernet LAN (RJ-45) ports	1
Native aspect ratio *	16:9	USB 2.0 ports quantity *	2
Native refresh rate	120 Hz	Digital audio optical out	1
Contrast ratio (typical) *	16:9	RF ports quantity	1
Contrast ratio (dynamic)	16:9	Common interface (CI) *	✓
Dynamic contrast ratio marketing name	Quantum Matrix Technology	Common interface Plus (CI+) *	✓
Display resolution *	3840 x 2160 pixels	HDMI ports quantity *	4
		Consumer Electronics Control (CEC)	Anynet+
TV tuner		Management features	
Tuner type *	Analog & digital	Voice control	✓
Digital signal format system *	DVB-C, DVB-S2, DVB-T2	Electronic Programme Guide (EPG)	✓
Auto channel search	✓	Auto power off	✓
		Sleep timer	✓
Smart TV		Works with Amazon Alexa	✓
Smart TV *	✓	Works with the Google Assistant	✓
Internet TV *	✓	Works with Samsung Bixby	✓
Operating system installed *	Tizen	Power	
Operating system version	Tizen	Power consumption (typical) *	133 W
Timeshift	✓	Power consumption (standby) *	0.5 W
Screen mirroring	✓	Power consumption (max)	375 W
Apple AirPlay 2 support	✓	Energy efficiency class (SDR) *	F
Universal guide	✓	Energy efficiency class (HDR) *	G
	All 4, Amazon Prime Video, Apple TV, BBC iPlayer, BritBox, DAZN, Disney+, Google TV, ITV Hub, My5, NOW TV, Netflix, Rakuten TV, YouTube	Energy consumption (SDR) per 1000 hours *	133 kWh
Video apps		Energy consumption (HDR) per 1000 hours *	339 kWh
Music apps	Amazon Music, Apple Music, BBC Sounds, Spotify, YouTube Music	Energy saving mode	✓
Sports apps	BT Sport		
Lifestyle apps	TikTok		

Audio		Technical details	
Number of speakers *	8	Sound technology	Dolby Atmos
RMS rated power *	60 W	Processor	Neural Quantum Processor 4K
Built-in subwoofer	✓	Weight & dimensions	
Subwoofer RMS power	20 W	Width (with stand)	1892.2 mm
Audio decoders	Dolby Atmos, Dolby Digital, Dolby MS12	Depth (with stand)	321.3 mm
Sound modes	Game, Movie	Height (with stand)	1143 mm
Object Tracking Sound+ (OTS+)	✓	Weight (with stand)	49.9 kg
Q-Symphony	✓	Width (without stand)	1892.2 mm
Active voice amplifier (AVA)	✓	Depth (without stand)	27.2 mm
Adaptive sound+	✓	Height (without stand)	1081.9 mm
Enhanced Audio Return Channel (eARC)	✓	Weight (without stand)	43.5 kg
Audio system	Dolby Atmos	Stand width	41.8 cm
		Stand depth	32.1 cm
Network		Packaging data	
Wi-Fi *	✓	Screws included	✓
Bluetooth *	✓	Quick start guide	✓
Ethernet LAN *	✓	Manual	✓
Wi-Fi Direct	✓	Package width	2141 mm
Miracast	✗	Package depth	230 mm
Web browser	✓	Package height	1245 mm
		Package weight	63.3 kg
Design		Packaging content	
Product colour *	Silver	Mounting kit	✗
Colour name	Carbon Silver	Remote control included	✓
VESA mounting *	✓	Remote control type	TM2360E and TM1240A
Panel mounting interface	600 x 400 mm	Smart Remote included	✓
Introduction year	2023	Other features	
Stand type	Hexagon stand	Hybrid Log-Gamma (HLG)	✓
Stand colour	Silver	3D	✗
		Motion control	✗
Performance		Annual energy consumption	184 kWh
High Dynamic Range (HDR) technology	High Dynamic Range 10+ Adaptive (HDR10 Plus Adaptive), High Dynamic Range 10+ Gaming (HDR10 Plus Gaming)	Aerial input	DVB-T2CS2 x 2
Game mode	✓	HDMI	✓
Subtitles function	✓	Country of origin	Slovakia
Dolby Vision	✗	Dimensions (W x D x H) with stand	1876.6 x 303.7 x 1146.8 mm
Ambient light sensor	✓	Mains power	✓
Backlight dimming technology	Local Dimming	Stand	Carbon Silver Sharp Neck Hexagon
Noise reduction *	✓	Picture mode	Film, Filmmaker
High Dynamic Range (HDR) supported *	✓	Smart TV applications	SmartThings
AMD FreeSync	✓	Analogue tuner	✓
AMD FreeSync type	FreeSync Premium Pro	DVB-T2 tuner	✓
NVIDIA G-SYNC	✗	Dimensions (with stand) (WxHxD)	1876.6 x 1146.8 x 303.7 mm
		News apps	BBC
Game features	Auto Low Latency Mode (ALLM), Dynamic Black EQ, Game Bar, Game Motion Plus, Super Ultra Wide Game View	Stand weight	1.01 kg
4K Ultra HD upscaling	✓		
Auto standby	✓		
SmartThings app support	✓		
Multi View	✓		
MBR support	✓		
Parental control	✓		
Smartphone/tablet remote support	✓		
USB recording	✓		
USB playback	✓		



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