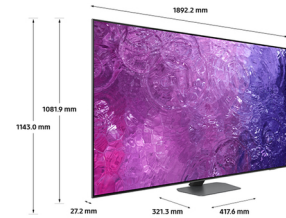


Samsung QE85QN90CATXXU TV 2.16 m (85") 4K Ultra HD Smart TV Wi-Fi Silver

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 minimal distracting glare
- Brightness, colour and detail boosted by our most intelligent AI-powered 4K processor
- Cinematic sound reimagined with Dolby Atmos and your TV's 8 speakers*

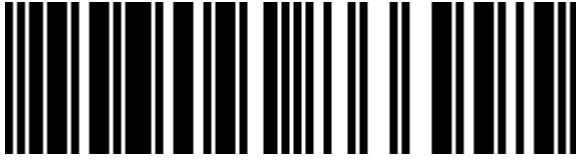
2023 85" QN90C Neo QLED 4K HDR Smart TV with Dolby Atmos

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	Ethernet LAN (RJ-45) ports *	1
Screen shape *	Flat	USB 2.0 ports quantity *	2
Native aspect ratio *	16:9	Digital audio optical out	1
Native refresh rate	120 Hz	RF ports quantity	1
Contrast ratio (typical) *	16:9	Common interface (CI) *	✓
Contrast ratio (dynamic)	16:9	Common interface Plus (CI+) *	✓
Dynamic contrast ratio marketing name	Quantum Matrix Technology	HDMI ports quantity *	4
Display resolution *	3840 x 2160 pixels	PC in (D-Sub) *	✗
		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	Energy efficiency class (SDR) *	F
Timeshift	✓	Energy efficiency class (HDR) *	G
Screen mirroring	✓	Energy consumption (SDR) per 1000 hours *	133 kWh
Apple AirPlay 2 support	✓	Power consumption (typical) *	133 W
Universal guide	✓	Energy consumption (HDR) per 1000 hours *	339 kWh
	All 4, Amazon Prime Video, Apple TV, BBC iPlayer, BritBox, DAZN, Disney+, Google TV, ITV Hub, My5, NOW TV, Netflix, Rakuten TV, YouTube	Power consumption (standby) *	0.5 W
Video apps		Power consumption (max)	375 W
Music apps	Amazon Music, Apple Music, BBC Sounds, Spotify, YouTube Music	Energy saving mode	✓
Sports apps	BT Sport		
Lifestyle apps	TikTok		

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



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Publication date: 05-SEP-2023. Prints or copies of Information are only valid on the printed Publication date