

SAMSUNG

QN85C Neo QLED 4K Smart TV (2023)

More Wow than ever in 4K, Neo QLED



55", 65", 75", 85"

Top Features

Quantum Matrix Technology

Quantum Matrix Technology represents a revolution in TV display technology. Using miniaturised backlighting technology with precise light control to deliver incredible detail, deep blacks and brilliant contrast. ¹

Neo Quantum HDR

Neo Quantum HDR+ helps reveal what you might have missed in particularly dark or light scenes, making them pop with vivid, breathtaking colour. ²

True Dolby Atmos

The QN85C features inbuilt up firing speakers and True Dolby Atmos support to deliver larger-than-life audio experiences (55" and above models only). ³

QLED powered by Quantum Dot More than 100% Colour Volume ⁴

Samsung Quantum Dot technology delivers more than 100% colour volume enabling accurate colour reproduction at any level of brightness - allowing you to discover details you may not have seen before. ⁴

¹ Compared to QLED Q80C backlights. Picture quality will vary depending on quality and resolution of source content.

² The Range of Quantum HDR claims luminance based on internal testing standards and is subject to change according to viewing environment or specific conditions.

³ Source content must be Dolby Atmos® enabled for Dolby Atmos® playback. Samsung define 'True Dolby Atmos' as featuring an upwards-firing directional speaker for three dimensional sound. Wireless Dolby Atmos compatible only for selected Samsung soundbars.

⁴ Available on HDR content only. Colour volume testing is capable of producing results greater than 100%. Q-series models produce more than 100% colour volume when tested using the IDMS 1.03b standard and DCI-P3 colour space. Brightness tested at maximum luminance with 10% White Window in HDR. Testing verified by an independent third party.

Product	Product category	55"	65"	75"	85"
		QLED	QLED	QLED	QLED
	Model Number	QA55QN85CAWXXY	QA65QN85CAWXXY	QA75QN85CAWXXY	QA85QN85CAWXXY
Display	Screen Size	55"	65"	75"	85"
	Resolution	3,840 x 2,160	3,840 x 2,160	3,840 x 2,160	3,840 x 2,160
	Motion Rate	200	200	200	200
	Anti Reflection	N/A	N/A	N/A	N/A
Video	Picture Engine	Neural Quantum Processor 4K	Neural Quantum Processor 4K	Neural Quantum Processor 4K	Neural Quantum Processor 4K
	One Billion Colours	Yes	Yes	Yes	Yes
	HDR (High Dynamic Range)	Neo Quantum HDR	Neo Quantum HDR	Neo Quantum HDR	Neo Quantum HDR
	HDR 10+	Yes (ADAPTIVE/ GAMING)	Yes (ADAPTIVE/ GAMING)	Yes (ADAPTIVE/ GAMING)	Yes (ADAPTIVE/ GAMING)
	HLG (Hybrid Log Gamma)	Yes	Yes	Yes	Yes
	Contrast	Quantum Matrix Technology	Quantum Matrix Technology	Quantum Matrix Technology	Quantum Matrix Technology
	Colour	Quantum Dot	Quantum Dot	Quantum Dot	Quantum Dot
	Wide Viewing Angle	Wide Viewing Angle	Wide Viewing Angle	Wide Viewing Angle	Wide Viewing Angle
	Micro Dimming	Supreme UHD Dimming	Supreme UHD Dimming	Supreme UHD Dimming	Supreme UHD Dimming
	Contrast Enhancer	Real Depth Enhancer	Real Depth Enhancer	Real Depth Enhancer	Real Depth Enhancer
	Picture Clarity	Yes	Yes	Yes	Yes
	Film Mode	Yes	Yes	Yes	Yes
	Expert Calibration	N/A	N/A	N/A	N/A
	Smart Calibration	Basic	Basic	Basic	Basic
	AI Upscale	Yes	Yes	Yes	Yes
	Filmmaker Mode	Yes	Yes	Yes	Yes
	Brightness/Colour Detection	Brightness/Colour Detection	Brightness/Colour Detection	Brightness/Colour Detection	Brightness/Colour Detection
AI HDR Remastering	Auto HDR Remastering	Auto HDR Remastering	Auto HDR Remastering	Auto HDR Remastering	
Audio	Dolby Atmos	Yes	Yes	Yes	Yes
	Object Tracking Sound	OTS	OTS	OTS	OTS
	Q-Symphony	Yes	Yes	Yes	Yes
	Sound Output (RMS)	60W	60W	60W	60W
	Speaker Type	2.2.2CH	2.2.2CH	2.2.2CH	2.2.2CH
	Woofers	Yes	Yes	Yes	Yes
	Multiroom Link	Yes	Yes	Yes	Yes
	Bluetooth Audio	Yes	Yes	Yes	Yes
	Active Voice Amplifier	Yes	Yes	Yes	Yes
	Adaptive Sound	Adaptive Sound+	Adaptive Sound+	Adaptive Sound+	Adaptive Sound+
	Dual Audio Support (Bluetooth)	Yes	Yes	Yes	Yes
Buds Auto Switch	Yes	Yes	Yes	Yes	
Smart Service	Operating System	Tizen™ Smart TV	Tizen™ Smart TV	Tizen™ Smart TV	Tizen™ Smart TV
	Bixby	Yes	Yes	Yes	Yes
	Far-Field Voice Interaction	Yes	Yes	Yes	Yes
	Built-in Voice Assistant	Alexa	Alexa	Alexa	Alexa
	Works with AI Speaker	Alexa, Google Assistant	Alexa, Google Assistant	Alexa, Google Assistant	Alexa, Google Assistant
	Samsung TV Plus	Yes	Yes	Yes	Yes
	Web Browser	Yes	Yes	Yes	Yes
	SmartThings Hub / Matter Hub / IoT-Sensor Functionality	Yes	Yes	Yes	Yes
Media Home	Yes	Yes	Yes	Yes	

55"

65"

75"

85"

Smart Feature	Multi Device Experience	TV to Mobile, Mobile to TV, TV initiate mirroring, TV Sound to Mobile, Sound Mirroring, Wireless TV On (requires Android 6.0† with Screen Cast capabilities or iPhone iOS 11.4† with AirPlay 2 support)	TV to Mobile, Mobile to TV, TV initiate mirroring, TV Sound to Mobile, Sound Mirroring, Wireless TV On (requires Android 6.0† with Screen Cast capabilities or iPhone iOS 11.4† with AirPlay 2 support)	TV to Mobile, Mobile to TV, TV initiate mirroring, TV Sound to Mobile, Sound Mirroring, Wireless TV On (requires Android 6.0† with Screen Cast capabilities or iPhone iOS 11.4† with AirPlay 2 support)	TV to Mobile, Mobile to TV, TV initiate mirroring, TV Sound to Mobile, Sound Mirroring, Wireless TV On (requires Android 6.0† with Screen Cast capabilities or iPhone iOS 11.4† with AirPlay 2 support)
	NFC on TV	N/A	N/A	N/A	N/A
	Tap View	Yes (requires Android 8.1† with Screen Cast capabilities)	Yes (requires Android 8.1† with Screen Cast capabilities)	Yes (requires Android 8.1† with Screen Cast capabilities)	Yes (requires Android 8.1† with Screen Cast capabilities)
	Multi-View	upto 2 videos	upto 2 videos	upto 2 videos	upto 2 videos
	Music Wall	Yes	Yes	Yes	Yes
	Mobile Camera Support	Yes	Yes	Yes	Yes
	Easy Setup	Yes	Yes	Yes	Yes
	App Casting	Yes	Yes	Yes	Yes
	Ambient Mode	Ambient Mode+	Ambient Mode+	Ambient Mode+	Ambient Mode+
	Wireless Dex	Yes	Yes	Yes	Yes
Web Service	Microsoft 365 (Subscription required)	Microsoft 365 (Subscription required)	Microsoft 365 (Subscription required)	Microsoft 365 (Subscription required)	
NFT	Nifty Gateway	Nifty Gateway	Nifty Gateway	Nifty Gateway	
Game Feature	Auto Game Mode (ALLM)	Yes	Yes	Yes	Yes
	Game Motion Plus	Yes	Yes	Yes	Yes
	Dynamic Black EQ	Yes	Yes	Yes	Yes
	Surround Sound	Yes	Yes	Yes	Yes
	Super Ultra Wide Game View	Yes	Yes	Yes	Yes
	MiniMap Zoom	Yes	Yes	Yes	Yes
	Light-sync	N/A	N/A	N/A	N/A
	Freesync	FreeSync Premium Pro	FreeSync Premium Pro	FreeSync Premium Pro	FreeSync Premium Pro
	HGiG	Yes	Yes	Yes	Yes
	Gaming Hub	Yes	Yes	Yes	Yes
Hue Sync	Yes	Yes	Yes	Yes	
Tuner/Broadcasting	Digital Broadcasting	DVB-T(T2 Ready)	DVB-T(T2 Ready)	DVB-T(T2 Ready)	DVB-T(T2 Ready)
	Analog Tuner	Yes	Yes	Yes	Yes
	CI (Common Interface)	N/A	N/A	N/A	N/A
Connectivity	HDMI	4	4	4	4
	HDMI (High Frame Rate)	4K 120Hz (for HDMI 1/2/3/4)	4K 120Hz (for HDMI 1/2/3/4)	4K 120Hz (for HDMI 1/2/3/4)	4K 120Hz (for HDMI 1/2/3/4)
	USB	2	2	2	2
	USB-C (Camera Only)	N/A	N/A	N/A	N/A
	POGO (SlimFit Cam Only)	N/A	N/A	N/A	N/A
	Component In (Y/Pb/Pr)	N/A	N/A	N/A	N/A
	Ethernet (LAN)	1	1	1	1
	Audio Out (Mini Jack)	N/A	N/A	N/A	N/A
	Digital Audio Out (Optical)	1	1	1	1
	RF In (Terrestrial / Cable input / Satellite input)	1/1(Common Use for Terrestrial)/0	1/1(Common Use for Terrestrial)/0	1/1(Common Use for Terrestrial)/0	1/1(Common Use for Terrestrial)/0
	Ex-Link (RS-232C)	N/A	N/A	N/A	N/A
	HDMI Audio Return Channel	eARC	eARC	eARC	eARC
	WiFi	Yes (WiFi5)	Yes (WiFi5)	Yes (WiFi5)	Yes (WiFi5)
	Bluetooth	Yes (BT5.2)	Yes (BT5.2)	Yes (BT5.2)	Yes (BT5.2)
Anynet+ (HDMI-CEC)	Yes	Yes	Yes	Yes	

		55"	65"	75"	85"
Design	Design	Neo Slim	Neo Slim	Neo Slim	Neo Slim
	Bezel Type	4 Bezel-less	4 Bezel-less	4 Bezel-less	4 Bezel-less
	Slim Type	Flat look	Flat look	Flat look	Flat look
	Front Colour	TITAN BLACK	TITAN BLACK	TITAN BLACK	TITAN BLACK
	Stand Type	HEXAGON PLATE	HEXAGON PLATE	HEXAGON PLATE	HEXAGON PLATE
	Stand Colour	SAND BLACK	SAND BLACK	SAND BLACK	SAND BLACK
Additional Feature	Auto Rotation	N/A	N/A	N/A	N/A
	9:16 Screen Support	Yes (Need Auto Rotating Accessory, Compatible Model Only)	Yes (Need Auto Rotating Accessory, Compatible Model Only)	Yes	Yes
	Caption (Subtitle)	Yes	Yes	Yes	Yes
	ConnectShare™	Yes	Yes	Yes	Yes
	EPG	Yes	Yes	Yes	Yes
	Extended PVR	Yes	Yes	Yes	Yes
	OSD Language	Local Languages	Local Languages	Local Languages	Local Languages
	Picture-In-Picture	N/A	N/A	N/A	N/A
	Teletext (TTX)	Yes	Yes	Yes	Yes
	Time Shift	Yes	Yes	Yes	Yes
One Connect Box	N/A	N/A	N/A	N/A	
MBR Support	Yes	Yes	Yes	Yes	
Accessibility	Voice Guide	AU English, China Chinese, Korean, France French, Italian, German, Spain Spanish, Malay	AU English, China Chinese, Korean, France French, Italian, German, Spain Spanish, Malay	AU English, China Chinese, Korean, France French, Italian, German, Spain Spanish, Malay	AU English, China Chinese, Korean, France French, Italian, German, Spain Spanish, Malay
	Learn TV Remote / Learn Menu screen	UK English, French, Spanish	UK English, French, Spanish	UK English, French, Spanish	UK English, French, Spanish
	Low Vision Support	Zoom Menu and Text, High Contrast, SeeColors, Colour Inversion, Grayscale, Picture Off, Magnification	Zoom Menu and Text, High Contrast, SeeColors, Colour Inversion, Grayscale, Picture Off, Magnification	Zoom Menu and Text, High Contrast, SeeColors, Colour Inversion, Grayscale, Picture Off, Magnification	Zoom Menu and Text, High Contrast, SeeColors, Colour Inversion, Grayscale, Picture Off, Magnification
	Hearing Impaired Support	Multi-output Audio, Sign Language Zoom	Multi-output Audio, Sign Language Zoom	Multi-output Audio, Sign Language Zoom	Multi-output Audio, Sign Language Zoom
	Motor Impaired Support	Slow Button Repeat	Slow Button Repeat	Slow Button Repeat	Slow Button Repeat
Power & Eco Solution	Power Supply	AC220-240V~ 50/60Hz	AC220-240V~ 50/60Hz	AC220-240V~ 50/60Hz	AC220-240V~ 50/60Hz
	Power Consumption (Max)	200 W	245 W	250 W	335 W
	Power Consumption (Stand-by)	0.5 W	0.5 W	0.5 W	0.5 W
	Power Consumption (Energy Saving Mode)	N/A	N/A	N/A	N/A
	Power Consumption (Typical)	112.0 W	137.0 W	153.0 W	206.0 W
	Yearly Power Consumption (EU standard)	412 kWh	503 kWh	562 kWh	755 kWh
	Eco Sensor	Yes	Yes	Yes	Yes
	Auto Power Saving	Yes	Yes	Yes	Yes
	Energy Efficiency Class	4	4.5	5	5
Auto Power Off	Yes	Yes	Yes	Yes	
Dimension	Package Size (WxHxD)	1448 x 836 x 172 mm	1621 x 947 x 189 mm	1877 x 1123 x 197 mm	2146 x 1245 x 240 mm
	Set Size with Stand (WxHxD)	1227.4 x 767.9 x 253.0 mm	1446.3 x 891.1 x 285.7 mm	1670.0 x 1019.8 x 313.5 mm	1892.2 x 1144.8 x 326.6 mm
	Set Size without Stand (WxHxD)	1227.4 x 705.6 x 25.9 mm	1446.3 x 828.7 x 25.9 mm	1670.0 x 957.4 x 26.7 mm	1892.2 x 1081.9 x 27.2 mm
	Stand (Basic) (WxD)	368 x 253 mm	390.0 x 285.7 mm	420.0 x 313.5 mm	420.0 x 326.6 mm
	Stand (Minimum) (WxD)	N/A	N/A	N/A	N/A
	VESA Spec	200 x 200 mm	400 x 300 mm	400 x 400 mm	600 x 400 mm

		55"	65"	75"	85"
Weight	Package Weight	26.2 kg	35.2 kg	50.5 kg	64.1 kg
	Set Weight with Stand	20.2 kg	27.3 kg	39.9 kg	49.3 kg
	Set Weight without Stand	17.2 kg	23.7 kg	34.0 kg	42.7 kg
Accessory	Remote Controller Model	TM2360E	TM2360E	TM2360E	TM2360E
	Batteries (for Remote Control)	N/A	N/A	N/A	N/A
	Slim Fit Wall-mount Support	Yes	Yes	Yes	Yes
	Studio Stand Support	Yes	Yes	N/A	N/A
	Optional One Connect Cable Support	N/A	N/A	N/A	N/A
	Vesa Wall Mount Support	Yes	Yes	Yes	Yes
	Auto-Rotation Accessory Support	Yes	Yes	N/A	N/A
	Full Motion Slim Wall Mount Support (Y22)	Yes	Yes	Yes	Yes
	SlimFit Cam Support	Yes	Yes	Yes	Yes
	Zigbee / Thread Module	Built-In	Built-In	Built-In	Built-In
	User Manual	Yes	Yes	Yes	Yes
	E-Manual	Yes	Yes	Yes	Yes
	Power Cable	Yes	Yes	Yes	Yes