SAMSUNG

QN85C Neo QLED 4K Smart TV (2023)

More Wow than ever in 4K, Neo QLED

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.

		55" QLED	65" QLED	75" QLED	85" QLED
Product	Product category				
	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
	Woofer	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 Funtionality	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
	Video Communication		Google Meet	Google Meet	Google Meet	Google Meet
	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		N/A	N/A	N/A	N/A
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