

SAMSUNG

QN900C - Neo QLED 8K Smart TV (2023)

More Wow than ever, Neo QLED 8K



65", 75", 85"

Top Features

Infinity Display

Experience a near edge-to-edge picture with virtually no bezel or border through an ultra-slim frame which allows for ultra-high definition entertainment.

Quantum Matrix Technology Pro

Quantum Matrix Technology Pro uses superior backlighting technology¹ to deliver incredibly deep blacks, next level detail and brilliant contrast.²

Neo Quantum HDR 8K Pro

Neo Quantum HDR 8K Pro brings to life what you might have missed in particularly dark or light scenes, making them pop with spectacular clarity. (75"/85" only).³

True Dolby Atmos

The QN900C features inbuilt up firing speakers and True Dolby Atmos support to deliver larger-than-life audio experiences.⁴

¹ Compared to Neo QLED QN90C.

² Compared to QLED Q80C. Picture quality will vary depending on quality and resolution of source content.

³ The Range of Quantum HDR claims luminance based on internal testing standards and is subject to change according to viewing environment or specific conditions. Neo Quantum HDR 8K Pro only applies to 75" and 85". 65" features Neo Quantum HDR 8K+ only.

⁴ 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.

Product	Product Category	65"	75"	85"
		QLED	QLED	QLED
Model Number		QA65QN900CWXXY	QA75QN900CWXXY	QA85QN900CWXXY
Display	Screen Size	65"	75"	85"
	Resolution	7,680 x 4,320	7,680 x 4,320	7,680 x 4,320
	Motion Rate	200	200	200
	Anti Reflection	Yes	Yes	Yes
Video	Picture Engine	Neural Quantum Processor 8K	Neural Quantum Processor 8K	Neural Quantum Processor 8K
	One Billion Colours	Yes	Yes	Yes
	HDR (High Dynamic Range)	Neo Quantum HDR 8K Pro	Neo Quantum HDR 8K Pro	Neo Quantum HDR 8K Pro
	HDR 10+	Yes (ADAPTIVE/ GAMING)	Yes (ADAPTIVE/ GAMING)	Yes (ADAPTIVE/ GAMING)
	HLG (Hybrid Log Gamma)	Yes	Yes	Yes
	Contrast	Quantum Matrix Technology Pro	Quantum Matrix Technology Pro	Quantum Matrix Technology Pro
	Colour	Quantum Dot	Quantum Dot	Quantum Dot
	Wide Viewing Angle	Ultra Viewing Angle	Ultra Viewing Angle	Ultra Viewing Angle
	Micro Dimming	Ultimate 8K Dimming Pro	Ultimate 8K Dimming Pro	Ultimate 8K Dimming Pro
	Contrast Enhancer	Real Depth Enhancer Pro	Real Depth Enhancer Pro	Real Depth Enhancer Pro
	Picture Clarity	Yes	Yes	Yes
	Film Mode	Yes	Yes	Yes
	Expert Calibration	Yes	Yes	Yes
	Smart Calibration	Basic/Professional	Basic/Professional	Basic/Professional
	AI Upscale	Yes	Yes	Yes
	Filmmaker Mode	Yes	Yes	Yes
	Brightness/Colour Detection	Brightness/Colour Detection	Brightness/Colour Detection	Brightness/Colour Detection
	AI HDR Remastering	Auto HDR Remastering	Auto HDR Remastering	Auto HDR Remastering
Audio	Dolby Atmos	Yes	Yes	Yes
	Object Tracking Sound	OTS Pro	OTS Pro	OTS Pro
	Q-Symphony	Yes	Yes	Yes
	Sound Output (RMS)	90W	90W	90W
	Speaker Type	6.2.4CH	6.2.4CH	6.2.4CH
	Woofer	Yes	Yes	Yes
	Multiroom Link	Yes	Yes	Yes
	Bluetooth Audio	Yes	Yes	Yes
	Active Voice Amplifier	Yes	Yes	Yes
	Adaptive Sound	Adaptive Sound Pro	Adaptive Sound Pro	Adaptive Sound Pro
	Dual Audio Support (Bluetooth)	Yes	Yes	Yes
Buds Auto Switch	Yes	Yes	Yes	
Smart Service	Operating System	Tizen™ Smart TV	Tizen™ Smart TV	Tizen™ Smart TV
	Bixby	Yes	Yes	Yes
	Far-Field Voice Interaction	Yes	Yes	Yes
	Built-in Voice Assistant	Alexa	Alexa	Alexa
	Works With AI Speaker	Alexa, Google Assistant	Alexa, Google Assistant	Alexa, Google Assistant
	Samsung TV Plus	Yes	Yes	Yes
	Web Browser	Yes	Yes	Yes
	SmartThings Hub / Matter Hub / IoT-Sensor Funtionality	Yes	Yes	Yes
	Media Home	Yes	Yes	Yes

Smart Feature	Multi Device Experience	65"	75"	85"
		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
	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)
	Multi-View	upto 4 videos	upto 4 videos	upto 4 videos
	Music Wall	Yes	Yes	Yes
	Mobile Camera Support	Yes	Yes	Yes
	Easy Setup	Yes	Yes	Yes
	App Casting	Yes	Yes	Yes
	Ambient Mode	Ambient Mode+	Ambient Mode+	Ambient Mode+
	Wireless Dex	Yes	Yes	Yes
	Web Service	Microsoft 365	Microsoft 365	Microsoft 365
	NFT	Nifty Gateway	Nifty Gateway	Nifty Gateway
Game Feature	Auto Game Mode (ALLM)	Yes	Yes	Yes
	Game Motion Plus	Yes	Yes	Yes
	Dynamic Black EQ	Yes	Yes	Yes
	Surround Sound	Yes	Yes	Yes
	Super Ultra Wide Game View	Yes	Yes	Yes
	MiniMap Zoom	Yes	Yes	Yes
	Light-sync	N/A	N/A	N/A
	FreeSync	FreeSync Premium Pro	FreeSync Premium Pro	FreeSync Premium Pro
	HGiG	Yes	Yes	Yes
	Gaming Hub	Yes	Yes	Yes
Hue Sync	Yes	Yes	Yes	
Tuner/Broadcasting	Digital Broadcasting	DVB-T(T2 Ready)	DVB-T(T2 Ready)	DVB-T(T2 Ready)
	Analog Tuner	Yes	Yes	Yes
	CI (Common Interface)	N/A	N/A	N/A
Connectivity	HDMI	4	4	4
	HDMI (High Frame Rate)	4K 144Hz (for HDMI 1/2/3/4)	4K 144Hz (for HDMI 1/2/3/4)	4K 144Hz (for HDMI 1/2/3/4)
	USB	3	3	3
	USB-C (Camera Only)	1	1	1
	POGO (SlimFit Cam Only)	N/A	N/A	N/A
	Component In (Y/Pb/Pr)	N/A	N/A	N/A
	Ethernet (LAN)	Yes	Yes	Yes
	Audio Out (Mini Jack)	N/A	N/A	N/A
	Digital Audio Out (Optical)	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
	Ex-Link (RS-232C)	N/A	N/A	N/A
	HDMI Audio Return Channel	eARC	eARC	eARC
	WiFi	Yes (WiFi6E)	Yes (WiFi6E)	Yes (WiFi6E)
	Bluetooth	Yes (BT5.2)	Yes (BT5.2)	Yes (BT5.2)
Anynet+ (HDMI-CEC)	Yes	Yes	Yes	

		65"	75"	85"
Design	Design	Infinity One	Infinity One	Infinity One
	Bezel Type	Zero Bezel	Zero Bezel	Zero Bezel
	Slim Type	Ultra Slim	Ultra Slim	Ultra Slim
	Front Colour	TITAN BLACK	TITAN BLACK	TITAN BLACK
	Stand Type	SLIM OC STAND	SLIM OC STAND	SLIM OC STAND
	Stand Colour	TITAN BLACK	TITAN BLACK	TITAN BLACK
Additional Feature	Auto Rotation	N/A	N/A	N/A
	9:16 Screen Support	Yes (Need Auto Rotating Accessory, Compatible Model Only)	N/A	N/A
	Knox Vault	Yes	Yes	Yes
	Caption (Subtitle)	Yes	Yes	Yes
	ConnectShare™	Yes	Yes	Yes
	EPG	Yes	Yes	Yes
	Extended PVR	Yes	Yes	Yes
	OSD Language	Yes	Yes	Yes
	Picture-In-Picture	Local Languages	Local Languages	Local Languages
	Teletext (TTX)	N/A	N/A	N/A
	Time Shift	Yes	Yes	Yes
	One Connect Box	Yes	Yes	Yes
MBR Support	One Connect (Y23 8K)	One Connect (Y23 8K)	One Connect (Y23 8K)	
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
	Learn TV Remote / Learn Menu Screen	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
	Hearing Impaired Support	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
Power & Eco Solution	Power Supply	AC220-240V~50/60Hz	AC220-240V~50/60Hz	AC220-240V~50/60Hz
	Power Consumption (Max)	370 W	430 W	475 W
	Power Consumption (Stand-by)	0.5 W	0.5 W	0.5 W
	Power Consumption (Energy Saving Mode)	N/A	N/A	N/A
	Power Consumption (Typical)	280.0 W	340.0 W	373.0 W
	Yearly Power Consumption (EU standard)	1025 kWh	1244 kWh	1365 kWh
	Eco Sensor	Yes	Yes	Yes
	Auto Power Saving	Yes	Yes	Yes
	Energy Efficiency Class	1	1.5	2
Auto Power Off	Yes	Yes	Yes	
Dimension	Package Size (WxHxD)	1625 x 935 x 190 mm	1844 x 1124 x 191 mm	2090 x 1260 x 220 mm
	Set Size with Stand (WxHxD)	1433.1 x 892.7 x 267.9 mm	1654.8 x 1016.9 x 286.4 mm	1876.6 x 1146.8 x 303.7 mm
	Set Size without Stand (WxHxD)	1433.1 x 819.9 x 15.2 mm	1654.8 x 945.6 x 15.4 mm	1876.6 x 1071.5 x 15.4 mm
	Stand (Basic) (WxD)	360 x 267.9 mm	360 x 286.4 mm	360 x 303.7 mm
	Stand (Minimum) (WxD)	N/A	N/A	N/A
	VESA Spec	400 x 300 mm	400 x 400 mm	600 x 400 mm

		65"	75"	85"
Weight	Package Weight	43.3 kg	56.6 kg	73 kg
	Set Weight with Stand	32.5 kg	43.0 kg	57.0 kg
	Set Weight without Stand	22.4 kg	31.2 kg	43.7 kg
Accessory	Remote Controller Model	TM2360E	TM2360E	TM2360E
	Batteries (for Remote Control)	N/A	N/A	N/A
	Slim Fit Wall-mount Support	Yes	Yes	Yes
	Studio Stand Support	Yes	N/A	N/A
	Optional One Connect Cable Support	Yes	Yes	Yes
	Vesa Wall Mount Support	Yes	Yes	Yes
	Auto-Rotation Accessory Support	Yes	N/A	N/A
	Full Motion Slim Wall Mount Support (Y22)	Yes	Yes	Yes
	SlimFit Cam Support	Yes	Yes	Yes
	Zigbee / Thread Module	Built-In	Built-In	Built-In
	User Manual	Yes	Yes	Yes
	E-Manual	Yes	Yes	Yes
	Power Cable	Yes	Yes	Yes