

SAMSUNG

QN900D – Neo QLED 8K Smart TV (2024)

The Ultimate Wow experience, now upscaled with Neo QLED 8K



65", 75", 85"

Top Features

Infinity One Design

With an edge-to-edge display, you can be captivated by a full picture, with virtually no bezel. The slim profile and Infinity Air stand make the TV look like it is floating in the air.¹

8K Quantum Matrix Technology Pro

Quantum Matrix Technology Pro uses our proprietary Quantum Mini LEDs to deliver incredible blacks, brilliant contrast and greater detail expression in both the darkest and brightest scenes.

True Dolby Atmos

The QN900D includes a 90W 6.2.4 channel sound system featuring built-in up, down and side-firing speakers with True Dolby Atmos support to deliver larger-than-life audio experiences.²

8K AI Upscaling powered by NQ8 AI Gen3 Processor

Upscale your favourite content to enjoy it in even better depth and detail with Samsung's most powerful AI processor. AI neural networks optimise resolution to deliver an 8K experience when viewing content.³

¹ Bezel specs up to 1.2mm top/side and up to 8.1mm bottom.

² 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.

³ Compared to previous Samsung Smart TV. Native 8K content availability is very limited. Picture quality of upscaled content will vary depending on the quality and resolution of source content and may not apply to PC connection and Game Mode.

Product	Product Category	65"	75"	85"
		Neo QLED	Neo QLED	Neo QLED
Model Number		QA65QN900DWXXY	QA75QN900DWXXY	QA85QN900DWXXY
Display	Screen Size	65"	75"	85"
	Resolution	8K (7,680 x 4,320)	8K (7,680 x 4,320)	8K (7,680 x 4,320)
	Refresh Rate	100Hz	100Hz	100Hz
	Motion Rate	200	200	200
	Anti Reflection	Yes	Yes	Yes
Video	Picture Engine	NQ8 AI Gen3 Processor	NQ8 AI Gen3 Processor	NQ8 AI Gen3 Processor
	HDR (High Dynamic Range)	Neo Quantum HDR 8K +	Neo Quantum HDR 8K Pro	Neo Quantum HDR 8K Pro
	HDR 10+	Yes (ADAPTIVE/ GAMING)	Yes (ADAPTIVE/ GAMING)	Yes (ADAPTIVE/ GAMING)
	AI HDR Remastering	Auto HDR Remastering	Auto HDR Remastering	Auto HDR Remastering
	Contrast	Quantum Matrix Technology Pro	Quantum Matrix Technology Pro	Quantum Matrix Technology Pro
	Colour	Quantum Dot	Quantum Dot	Quantum Dot
	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
	Expert Calibration	Yes	Yes	Yes
	Smart Calibration	Basic/Professional	Basic/Professional	Basic/Professional
	Picture Upscale	8K AI Upscaling Pro	8K AI Upscaling Pro	8K AI Upscaling Pro
	AI Motion Enhancer	AI Motion Enhancer Pro	AI Motion Enhancer Pro	AI Motion Enhancer Pro
	Supersize Picture Enhancer	N/A	N/A	Yes
	HDR Brightness Optimiser	Yes	Yes	Yes
Filmmaker Mode	Yes	Yes	Yes	
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
	Active Voice Amplifier Pro	Yes	Yes	Yes
	Adaptive Sound	Adaptive Sound Pro	Adaptive Sound Pro	Adaptive Sound Pro
	360 Audio	Yes	Yes	Yes

		65"	75"	85"
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 Functionality	Yes	Yes	Yes
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, Sound Mirroring, Wireless TV On (requires Android 6.0† with Screen Cast capabilities or iPhone iOS 11.4† with AirPlay 2 support)
	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	Up to 4 videos	Up to 4 videos	Up to 4 videos
	Easy Setup	Ambient Mode+	Ambient Mode+	Ambient Mode+
	Ambient Mode	Nifty Gateway	Nifty Gateway	Nifty Gateway
	NFT	Yes	Yes	Yes
	ScreenVitals	Yes	Yes	Yes
	Apple AirPlay	Yes	Yes	Yes
Game Feature	HDMI 2.1 Support	Yes (Up to 240Hz/FPS)	Yes (Up to 240Hz/FPS)	Yes (Up to 240Hz/FPS)
	Auto Game Mode (ALLM)	Yes	Yes	Yes
	Game Motion Plus	Yes	Yes	Yes
	VRR	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
	Hue Sync	Yes	Yes	Yes
	FreeSync	FreeSync Premium Pro	FreeSync Premium Pro	FreeSync Premium Pro
	HGIG	Yes	Yes	Yes
	Gaming Hub	Yes (KR, US, CA, BR, GB, FR, DE, IT, ES, MX, AU)	Yes (KR, US, CA, BR, GB, FR, DE, IT, ES, MX, AU)	Yes (KR, US, CA, BR, GB, FR, DE, IT, ES, MX, AU)

	65"	75"	85"	
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	Wi-Fi	Yes (Wi-Fi 6E)	Yes (Wi-Fi 6E)	Yes (Wi-Fi 6E)
	Bluetooth	Yes (BT5.2)	Yes (BT5.2)	Yes (BT5.2)
	HDMI	4	4	4
	HDMI Maximum Input Rate	8K 60Hz, 4K 240Hz (for HDMI 1/2/3/4)	8K 60Hz, 4K 240Hz (for HDMI 1/2/3/4)	8K 60Hz, 4K 240Hz (for HDMI 1/2/3/4)
	HDMI Audio Return Channel	eARC	eARC	eARC
	One Connect Box	One Connect (Y24 8K)	One Connect (Y24 8K)	One Connect (Y24 8K)
	Anynet+ (HDMI-CEC)	Yes	Yes	Yes
	USB	3 x USB-A, 1 x USB-C	3 x USB-A, 1 x USB-C	3 x USB-A, 1 x USB-C
	POGO (SlimFit Cam Only)	N/A	N/A	N/A
	Ethernet (LAN)	1	1	1
	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	
Design	Design	Infinity Air	Infinity Air	Infinity Air
	Bezel Type	0.8mm Bezel	0.8mm Bezel	0.8mm Bezel
	Slim Type	Ultra Slim	Ultra Slim	Ultra Slim
	Front Colour	GRAPHITE BLACK	GRAPHITE BLACK	GRAPHITE BLACK
	Stand Type	MYSTIC FLOATING STAND	MYSTIC FLOATING STAND	MYSTIC FLOATING STAND
	Stand Colour	SPACE GRAPHITE	SPACE GRAPHITE	SPACE GRAPHITE
Additional Feature		N/A	N/A	N/A
	Auto Rotation	N/A	N/A	N/A
	Motion Detection	Yes	Yes	Yes
	Knox Vault	Yes	Yes	Yes
	Embedded POP	Yes	Yes	Yes
	EPG	Yes	Yes	Yes
	Extended PVR	Yes	Yes	Yes
	IP Control	Local Languages	Local Languages	Local Languages
	OSD Language	Local Languages	Local Languages	Local Languages

		65"	75"	85"
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
	Low Vision Support	Audio Subtitles (AU,KR,UK,US Only), Relumino, Magnification, Audio Description, Zoom Menu and Text, High Contrast, SeeColors, Colour Inversion, Grayscale, Picture Off	Audio Subtitles (AU,KR,UK,US Only), Relumino, Magnification, Audio Description, Zoom Menu and Text, High Contrast, SeeColors, Colour Inversion, Grayscale, Picture Off	Audio Subtitles (AU,KR,UK,US Only), Relumino, Magnification, Audio Description, Zoom Menu and Text, High Contrast, SeeColors, Colour Inversion, Grayscale, Picture Off
	Hearing Impaired Support	Closed Caption (Subtitle), Multi-output Audio, Sign Language Zoom	Closed Caption (Subtitle), Multi-output Audio, Sign Language Zoom	Closed Caption (Subtitle), Multi-output Audio, Sign Language Zoom
	Motor Impaired Support	Slow Button Repeat, Remote Control App. for All	Slow Button Repeat, Remote Control App. for All	Slow Button Repeat, Remote Control App. for All
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 (Energy Saving Mode)	N/A	N/A	N/A
	Power Consumption (Stand-by)	0.5 W	0.5 W	0.5 W
	Power Consumption (Typical)	260.0 W	286.0 W	338.0 W
	Yearly Power Consumption (EU standard)	952 kWh	1047 kWh	1237 kWh
	Eco Sensor	Yes	Yes	Yes
	Auto Power Saving	Yes	Yes	Yes
	Energy Efficiency Class	1.5	2.5	2.5
Auto Power Off	Yes	Yes	Yes	
Dimension	Package Size (WxHxD)	1625.0 x 935.0 x 190.0 mm	1814.0 x 1124.0 x 191.0 mm	2090.0 x 1260.0 x 220.0 mm
	Set Size with Stand (WxHxD)	1433.5 x 892.4 x 265.7 mm	1655.2 x 1018.5 x 283.8 mm	1877.4 x 1145.2 x 304.9 mm
	Set Size without Stand (WxHxD)	1433.5 x 815.1 x 12.9 mm	1655.2 x 940.8 x 13.1 mm	1877.4 x 1067.1 x 13.3 mm
	Stand (Basic) (WxD)	370.0 x 265.7 mm	370.0 x 283.8 mm	370.0 x 304.9 mm
	Stand (Minimum) (WxD)	N/A	N/A	N/A
	VESA Spec	400 x 300 mm	400 x 300 mm	600 x 400 mm
Weight	Package Weight	40.6 kg	53.6 kg	69.4 kg
	Set Weight with Stand	30.2 kg	40.4 kg	53.4 kg
	Set Weight without Stand	21.6 kg	30.8 kg	42.7 kg

Accessory	65"	75"	85"
Remote Controller Model	TM2360E	TM2360E	TM2360E
	Yes	Yes	Yes
Slim Fit Wall-mount Support	Yes	N/A	N/A
Studio Stand Support	Yes	N/A	N/A
Auto-Rotation Accessory Support	Yes	Yes	Yes
Full Motion Slim Wall Mount Support (Y22)	Yes	Yes	Yes
SlimFit Cam Support	Built-In	Built-In	Built-In
Zigbee / Thread Module	Yes	Yes	Yes
User Manual	Yes	Yes	Yes
Power Cable			