

# SAMSUNG

## QN800D – Neo QLED 8K Smart TV (2024)

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



65", 75", 85"

### Top Features

#### 8K Quantum Matrix Technology Pro

Quantum Matrix Technology Pro uses our proprietary Quantum Mini LEDs to deliver incredible blacks, brilliant contrast and great detail expression in both dark and bright scenes.

#### 8K AI Upscaling powered by NQ8 AI Gen2 Processor

Upscale your favourite content to enjoy it in even better depth and detail with Samsung's powerful AI processor. AI neural networks optimise resolution to deliver an up to 8K experience when viewing content.<sup>1</sup>

#### True Dolby Atmos

The QN800D includes a 70W 4.2.2 channel sound system featuring built-in up, down and side-firing speakers with True Dolby Atmos support to deliver larger-than-life audio experiences.<sup>2</sup>

#### Infinity One Design

At just a 17.6mm profile, it delivers streamlined entertainment and can blend seamlessly into your space. This sleek and modern design is the perfect complement to virtually any room.

<sup>1</sup> 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.  
<sup>2</sup> 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.

Product	Product Category	65"	75"	85"
		NeoQLED	NeoQLED	NeoQLED
Model Number		QA65QN800DWXXY	QA75QN800DWXXY	QA85QN800DWXXY
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)
	Native Refresh Rate	100Hz	100Hz	100Hz
	Motion Rate	200	200	200
	Anti Reflection	Yes	Yes	Yes
Video	Picture Engine	NQ8 AI Gen2 Processor	NQ8 AI Gen2 Processor	NQ8 AI Gen2 Processor
	HDR (High Dynamic Range)	Neo Quantum HDR 8K+	Neo Quantum HDR 8K+	Neo Quantum HDR 8K+
	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	N/A	N/A	N/A
	Smart Calibration	Basic/Professional	Basic/Professional	Basic/Professional
	Picture Upscaling	8K AI Upscaling	8K AI Upscaling	8K AI Upscaling
	AI Motion Enhancer	AI Motion Enhancer	AI Motion Enhancer	AI Motion Enhancer
	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+	OTS+	OTS+
	Q-Symphony	Yes	Yes	Yes
	Sound Output (RMS)	70W	70W	70W
	Speaker Type	4.2.2CH	4.2.2CH	4.2.2CH
	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
	Ambient Mode	Ambient Mode+	Ambient Mode+	Ambient Mode+
	NFT	Nifty Gateway	Nifty Gateway	Nifty Gateway
	ScreenVitals	Yes	Yes	Yes
	Apple AirPlay	Yes	Yes	Yes
	Daily+	Yes	Yes	Yes
Game Feature	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	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

	65"	75"	85"	
Connectivity	Wi-Fi	Yes (Wi-Fi 6E)	Yes (Wi-Fi 6E)	Yes (Wi-Fi 6E)
	Bluetooth	Yes (BT5.3)	Yes (BT5.3)	Yes (BT5.3)
	HDMI	4	4	4
	HDMI Maximum Input Rate	8K 60Hz, 4K 120Hz (for HDMI 1/2/3/4)	8K 60Hz, 4K 120Hz (for HDMI 1/2/3/4)	8K 60Hz, 4K 120Hz (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 One	Infinity One	Infinity One
	Bezel Type	4 Bezel-less	4 Bezel-less	4 Bezel-less
	Slim Type	Ultra Slim	Ultra Slim	Ultra Slim
	Front Colour	GRAPHITE BLACK	GRAPHITE BLACK	GRAPHITE 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
	Motion Detection	N/A	N/A	N/A
	Knox Vault	Yes	Yes	Yes
	Embedded POP	Yes	Yes	Yes
	EPG	Yes	Yes	Yes
	Extended PVR	Yes	Yes	Yes
	IP Control	Yes	Yes	Yes
	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	395 W	430 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)	262.0 W	269.0 W	294.0 W
	Yearly Power Consumption (EU standard)	959 kWh	985 kWh	1076 kWh
	Eco Sensor	Yes	Yes	Yes
	Auto Power Saving	Yes	Yes	Yes
	Energy Efficiency Class	1.5	2.5	3.5
Auto Power Off	Yes	Yes	Yes	
Dimension	Package Size (WxHxD)	1650 x 935 x 190 mm	1844.0 x 1124.0 x 191.0 mm	2090.0 x 1260.0 x 220.0 mm
	Set Size with Stand (WxHxD)	1443.7 x 898.2 x 267.9 mm	1668.3 x 1023.8 x 286.4 mm	1893.4 x 1153.4 x 303.7 mm
	Set Size without Stand (WxHxD)	1443.7 x 828.4 x 17.2 mm	1668.3 x 955.6 x 17.6 mm	1893.4 x 1083.0 x 17.6 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
Weight	Package Weight	43.4 kg	57.0 kg	74 kg
	Set Weight with Stand	32.6 kg	43.7 kg	57.7 kg
	Set Weight without Stand	22.5 kg	31.9 kg	44.4 kg

Accessory	65"	75"	85"
Remote Controller Model	TM2360E	TM2360E	TM2360E
Slim Fit Wall-mount Support	Yes	Yes	Yes
Studio Stand Support	Yes	N/A	N/A
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
Power Cable	Yes	Yes	Yes