Neo QLED 8K Smart TV – QN800A

Greatness never ends, but evolves with 8K

65", 75", 85"

Top Features

Real 8K Resolution & AI Upscaling

A truly immersive experience that's just a step away from reality. Help take your favourite content to a higher resolution and enjoy unbelievable depth and detail*. It's all possible with Samsung's 8K resolution and AI Upscaling.

Quantum Matrix Technology Pro

Quantum Matrix Technology Pro represents a giant leap in TV display technology. Using superior backlighting technology,*** Samsung have set a new standard in picture quality, delivering incredibly deep blacks, next level detail and brilliant contrast**

Infinity One Design

At just 15mm thin, this is one slimline beauty. Thanks to Samsung's incredible new backlighting technology, you'll enjoy an ultra-slim frame and a streamlined home entertainment setup.

Quantum Dot

Samsung QLED TV's Quantum Dot technology delivers a world of immersive colours and contrast in a variety of lighting conditions.

*Native 8K content availability is very limited. Picture quality of upscaled content will vary depending on the quality and resolution of source content.
**Compared to QLED Q80A. Picture quality will vary depending on quality and resolution of source content.
*** Compared to Neo QLED Q90A

Model Code		QA65QN800AWXXY	QA75QN800AWXXY	QA85QN800AWXXY
Product		QLED	QLED	QLED
Series		8	8	8
Display	Screen Size	65"	75"	85"
	Resolution	7,680 x 4,320	7,680 x 4,320	7,680 x 4,320
Video	Picture Engine	Neo Quantum Processor 8K	Neo Quantum Processor 8K	Neo Quantum Processor 8K
	Motion Rate	200	200	200
	HDR (High Dynamic Range)	Quantum HDR 32x	Quantum HDR 32x	Quantum HDR 32x
	HDR 10+	Yes	Yes	Yes
	Contrast	Quantum Matrix Technology Pro	Quantum Matrix Technology Pro	Quantum Matrix Technology Pro
	HLG (Hybrid Log Gamma)	Yes	Yes	Yes
	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	N/A	N/A	N/A
	Auto Motion Plus	Yes	Yes	Yes
	Film Mode	Yes	Yes	Yes
	Natural Mode Support	Yes	Yes	Yes
Audio	Dolby Digital Plus	Yes	Yes	Yes
	Dolby 5.1 Decoder	Yes	Yes	Yes
	Object Tracking Sound	OTS+	OTS+	OTS+
	Q-Symphony	Q-Symphony	Q-Symphony	Q-Symphony
	Sound Output (RMS)	70W	70W	70W
	Speaker Type	4.2.2CH	4.2.2CH	4.2.2CH
	Woofer	Yes	Yes	Yes
	Multiroom Link	Yes	Yes	Yes
	Bluetooth Audio	Yes	Yes	Yes
Smart Services	Samsung SMART TV	Smart	Smart	Smart
	Operating System	Tizen™	Tizen™	Tizen™
	Bixby	Yes	Yes	Yes
	Far-Field Voice Interaction	Yes	Yes	Yes
	Multi Voice Assistant	Yes	Yes	Yes
	Works With Google Assistant	Yes	Yes	Yes
	Works With Alexa	Yes	Yes	Yes
	TV Plus	Yes	Yes	Yes
	Web Browser	Yes	Yes	Yes
	SmartThings App Support	Yes (requires Android 6.0↑ or iPhone iOS 10.0↑)	Yes (requires Android 6.0↑ or iPhone iOS 10.0↑)	Yes (requires Android 6.0↑ or iPhone iOS 10.0↑)
	SmartThings Dashboard	Yes	Yes	Yes
	Gallery	Yes	Yes	Yes

	65"	75"	85"
Convergence			
TV to Mobile - Mirroring	Yes	Yes	Yes
Mobile to TV - Mirroring, DLNA	Yes (requires Android 6.0↑ with Screen Cast capabilities or iPhone iOS 11.4↑ with AirPlay 2 support)	Yes (requires Android 6.0↑ with Screen Cast capabilities or iPhone iOS 11.4↑ with AirPlay 2 support)	Yes (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)
Digital Butler	N/A	N/A	N/A
Multi-View	Yes (requires Android 6.0↑ with Screen Cast capabilities or iPhone iOS 11.4↑ with AirPlay 2 support)	Yes (requires Android 6.0↑ with Screen Cast capabilities or iPhone iOS 11.4↑ with AirPlay 2 support)	Yes (requires Android 6.0↑ with Screen Cast capabilities or iPhone iOS 11.4↑ with AirPlay 2 support)
Music Wall	Yes	Yes	Yes
Remote Access	Advanced	Advanced	Advanced
360 Video Player	Yes	Yes	Yes
360 Camera Support	Yes	Yes	Yes
Bluetooth Low Energy	Yes	Yes	Yes
WiFi Direct	Yes	Yes	Yes
TV Sound to Mobile	Yes (requires Android 6.0↑ or iPhone iOS 10.0↑)	Yes (requires Android 6.0↑ or iPhone iOS 10.0↑)	Yes (requires Android 6.0↑ or iPhone iOS 10.0↑)
Sound Mirroring	Yes	Yes	Yes
Tuner/Broadcasting			
Digital Broadcasting	DVB-T(T2 Ready)	DVB-T(T2 Ready)	DVB-T(T2 Ready)
Analog Tuner	Yes	Yes	Yes
Data Broadcasting	HbbTV 2.0.2	HbbTV 2.0.2	HbbTV 2.0.2
Connectivity			
HDMI	4	4	4
USB	3	3	3
Component In (Y/Pb/Pr)	N/A	N/A	N/A
Composite In (AV)	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)	1/0/0	1/0/0	1/0/0
Ex-Link (RS-232C)	N/A	N/A	N/A
HDMI A / Return Ch. Support	Yes	Yes	Yes
eARC	Yes	Yes	Yes
HDMI Quick Switch	Yes	Yes	Yes
WiFi	Yes (WiFi6)	Yes (WiFi6)	Yes (WiFi6)
Bluetooth	Yes (BT5.2)	Yes (BT5.2)	Yes (BT4.2)
Anynet+ (HDMI-CEC)	Yes	Yes	Yes
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	Stainless Steel	Stainless Steel	Stainless Steel
Stand Type	Connected Stand	Connected Stand	Connected Stand
Stand Colour	Sand Black	Sand Black	Sand Black

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Additional Features	Adaptive Picture	Yes	Yes	Yes
	Active Voice Amplifier	Yes	Yes	Yes
	Adaptive Sound	Adaptive Sound+	Adaptive Sound+	Adaptive Sound+
	AI Upscale	Yes	Yes	Yes
	Ambient Mode	Ambient Mode+	Ambient Mode+	Ambient Mode+
	Brightness/Colour Detection	Brightness/Colour Detection	Brightness/Colour Detection	Brightness/Colour Detection
	Accessibility - Voice Guide	AU English, Mandarin Chinese, Korean, French, Italian, German, Spanish	AU English, Mandarin Chinese, Korean, French, Italian, German, Spanish	AU English, Mandarin Chinese, Korean, French, Italian, German, Spanish
	Accessibility - Learn TV Remote / Learn Menu Screen	AU English, French, Spanish	AU English, French, Spanish	AU English, French, Spanish
	Accessibility - Others	Enlarge / High Contrast / Multi-output Audio / SeeColors / Colour Inversion / Grayscale / Sign Language Zoom / Slow Button Repeat / Auto Detection for Sign Language Zoom Area / Show Closed Caption with Zooming Sign Language	Enlarge / High Contrast / Multi-output Audio / SeeColors / Colour Inversion / Grayscale / Sign Language Zoom / Slow Button Repeat / Auto Detection for Sign Language Zoom Area / Show Closed Caption with Zooming Sign Language	Enlarge / High Contrast / Multi-output Audio / SeeColors / Colour Inversion / Grayscale / Sign Language Zoom / Slow Button Repeat / Auto Detection for Sign Language Zoom Area / Show Closed Caption with Zooming Sign Language
	Digital Clean View	Yes	Yes	Yes
	Auto Channel Search	Yes	Yes	Yes
	Auto Power Off	Yes	Yes	Yes
	Caption (Subtitle)	Yes	Yes	Yes
	Connect Share™ (HDD)	Yes	Yes	Yes
	ConnectShare™ (USB 2.0)	Yes	Yes	Yes
	EPG	Yes	Yes	Yes
	Extended PVR	Yes	Yes	Yes
	Freesync	FreeSync Premium Pro	FreeSync Premium Pro	FreeSync Premium Pro
	G-SYNC	N/A	N/A	N/A
	Filmmaker Mode (FMM)	Yes	Yes	Yes
	OSD Language	Local Languages	Local Languages	Local Languages
	Picture-In-Picture	N/A	N/A	N/A
	BT HID Built-in	Yes	Yes	Yes
	USB HID Support	Yes	Yes	Yes
	Teletext (TTX)	Yes	Yes	Yes
	Time Shift	Yes	Yes	Yes
	IPv6 Support	Yes	Yes	Yes
	MBR Support	Yes	Yes	Yes
Eco Features	Eco Sensor	Yes	Yes	Yes
	Energy Efficiency Class	1	1.5	2
Power	Power Supply	AC220-240V 50/60Hz	AC220-240V 50/60Hz	AC220-240V 50/60Hz
	Power Consumption (Max)	370 W	370 W	445 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)	297.0 W	336.0 W	396.0 W
	Peak Luminance Ratio	N/A	N/A	N/A
	Yearly Power Consumption (EU standard)	1087 kWh	1229 kWh	1448 kWh

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Dimensions	Package Size (WxHxD)	1625 x 947 x 195 mm	1872 x 1144 x 196 mm	2114 x 1260 x 220 mm
	Set Size with Stand (WxHxD)	1443.7 x 897.4 x 300.6 mm	1668.3 x 1022.9 x 320.5 mm	1893.4 x 1145.8 x 343.7 mm
	Set Size without Stand (WxHxD)	1443.7 x 828.4 x 16.9 mm	1668.3 x 955.6 x 17.2 mm	1893.4 x 1083.0 x 17.4 mm
	Stand (Basic) (WxD)	360.0 x 300.6 mm	360.0 x 320.5 mm	360.0 x 343.7 mm
	Stand (Minimum) (WxD)	N/A	N/A	N/A
Weights	Package Weight	43.4 kg	57.5 kg	71.7 kg
	Set Weight with Stand	30.8 kg	42.2 kg	54.3 kg
	Set Weight without Stand	22.7 kg	32.1 kg	43.3 kg
Accessories	Remote Controller Model	TM2180E	TM2180E	TM2180E
	Batteries (for Remote Control)	N/A	N/A	N/A
	Samsung Smart Control (Included)	Yes	Yes	Yes
	Optional Stand Support (Y20 Studio)	Yes	N/A	N/A
	Optional One Connect Cable Support	N/A	N/A	N/A
	Slim Fit Wall Mount Support	Yes	Yes	Yes
	Vesa Wall Mount Support	Yes	Yes	Yes
	User Manual	Yes	Yes	Yes
	E-Manual	Yes	Yes	Yes
	ANT-Cable	N/A	N/A	N/A
	Power Cable	Yes	Yes	Yes
	HDMI Cable	N/A	N/A	N/A
	Slim Gender Cable	N/A	N/A	N/A