

# SAMSUNG

## QN85A Neo QLED 4K Smart TV (2021)

Greatness never ends, but evolves



55", 65", 75", 85"

### Top Features

Quantum Matrix Technology

Quantum Matrix Technology uses precise lighting technology to deliver deeper blacks\* and next-level contrast, so you can watch everything in brilliant detail.

Quantum Dot

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

Quantum HDR 24x

HDR 24x is designed to bring details to life that you've never seen in your favourite films and shows.^

\* Compared to QLED Q80A. Picture quality will vary depending on quality and resolution of source content. ^ The range of Quantum HDR claims luminance based on internal testing standards and is subject to change according to viewing environment or specific conditions.

		55"	65"	75"	85"	
Product	Product Category	Neo QLED 4K	Neo QLED 4K	Neo QLED 4K	Neo QLED 4K	
	Model Number	QA55QN85AAWXXY	QA65QN85AAWXXY	QA75QN85AAWXXY	QA85QN85AAWXXY	
Display	Screen Size	Inch	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
Video	Picture Engine	Neo Quantum Processor 4K	Neo Quantum Processor 4K	Neo Quantum Processor 4K	Neo Quantum Processor 4K	
	Motion Rate	Hz	200	200	200	200
	HDR (High Dynamic Range)	Quantum HDR 24x	Quantum HDR 24x	Quantum HDR 24x	Quantum HDR 24x	
	HDR 10+	Yes	Yes	Yes	Yes	
	Contrast	Quantum Matrix Technology	Quantum Matrix Technology	Quantum Matrix Technology	Quantum Matrix Technology	
	HLG (Hybrid Log Gamma)	Yes	Yes	Yes	Yes	
	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	Yes	Yes	Yes	Yes	
	Auto Motion Plus	Yes	Yes	Yes	Yes	
	Film Mode	Yes	Yes	Yes	Yes	
	Natural Mode Support	Yes	Yes	Yes	Yes	
	Audio	Dolby Digital Plus	Yes	Yes	Yes	Yes
Dolby 5.1 Decoder		Yes	Yes	Yes	Yes	
Object Tracking Sound		OTS	OTS	OTS	OTS	
Q-Symphony		Q-Symphony	Q-Symphony	Q-Symphony	Q-Symphony	
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	
Smart Service	Samsung SMART TV	Smart	Smart	Smart	Smart	
	Operating System	Tizen™	Tizen™	Tizen™	Tizen™	
	Far-Field Voice Interaction	Yes	Yes	Yes	Yes	
	Bixby	Yes	Yes	Yes	Yes	
	Multi Voice Assistant	Yes	Yes	Yes	Yes	
	Works with Google Assistant	Yes	Yes	Yes	Yes	
	Works With Alexa	Yes	Yes	Yes	Yes	
	TV Plus	Yes	Yes	Yes	Yes	
	Web Browser	Yes	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↑) Yes (requires Android 6.0↑ or iPhone iOS 10.0↑)				
	SmartThings Dashboard	N/A	N/A	N/A	N/A	
	Gallery	Yes	Yes	Yes	Yes	

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<b>Convergence</b>	TV to Mobile - Mirroring	Yes	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)	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)	Yes (requires Android 8.1↑ with Screen Cast capabilities)
	Digital Butler	Yes	Yes	Yes	Yes
	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)	Yes (requires Android 6.0↑ with Screen Cast capabilities or iPhone iOS 11.4↑ with AirPlay 2 support)
	Music Wall	Yes	Yes	Yes	Yes
	Remote Access	Basic	Basic	Basic	Basic
	360 Video Player	Yes	Yes	Yes	Yes
	360 Camera Support	Yes	Yes	Yes	Yes
	Bluetooth Low Energy	Yes	Yes	Yes	Yes
	WiFi Direct	Yes	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↑)	Yes (requires Android 6.0↑ or iPhone iOS 10.0↑)
	Sound Mirroring	Yes	Yes	Yes	Yes
	<b>Tuner/ Broadcasting</b>	Digital Broadcasting	DVB-T(T2 Ready)	DVB-T(T2 Ready)	DVB-T(T2 Ready)
Analog Tuner		Yes	Yes	Yes	Yes
Data Broadcasting		HbbTV 2.0.2	HbbTV 2.0.2	HbbTV 2.0.2	HbbTV 2.0.2
<b>Connectivity</b>	HDMI	4	4	4	4
	USB	2	2	2	2
	Component In (Y/Pb/Pr)	N/A	N/A	N/A	N/A
	Composite In (AV)	1	1	1	1
	Ethernet (LAN)	Yes	Yes	Yes	Yes
	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)	1/0/0	1/0/0	1/0/0	1/0/0
	Ex-Link ( RS-232C )	N/A	N/A	N/A	N/A
	HDMI A / Return Ch. Support	Yes	Yes	Yes	Yes
	eARC	Yes	Yes	Yes	Yes
	HDMI Quick Switch	Yes	Yes	Yes	Yes
	WiFi	Yes (WiFi5)	Yes (WiFi5)	Yes (WiFi5)	Yes (WiFi5)
	Bluetooth	Yes (BT4.2)	Yes (BT4.2)	Yes (BT4.2)	Yes (BT4.2)
Anynet+ (HDMI-CEC)	Yes	Yes	Yes	Yes	
<b>Design</b>	Design	Solid Slim	Solid Slim	Solid Slim	Solid 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	Eclipse Silver	Eclipse Silver	Eclipse Silver	Eclipse Silver
	Stand Type	Floating Plate	Floating Plate	Floating Plate	Floating Plate
	Stand Colour	Frost Silver	Frost Silver	Frost Silver	Frost Silver

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<b>Additional Features</b>	Adaptive Picture		Yes	Yes	Yes	Yes
	Active Voice Amplifier		Yes	Yes	Yes	Yes
	Adaptive Sound		Adaptive Sound+	Adaptive Sound+	Adaptive Sound+	Adaptive Sound+
	AI Upscale		Yes	Yes	Yes	Yes
	Ambient Mode		Ambient Mode+	Ambient Mode+	Ambient Mode+	Ambient Mode+
	Brightness/Colour Detection		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	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	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	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	Yes
	Auto Channel Search		Yes	Yes	Yes	Yes
	Auto Power Off		Yes	Yes	Yes	Yes
	Caption (Subtitle)		Yes	Yes	Yes	Yes
	Connect Share™ (HDD)		Yes	Yes	Yes	Yes
	ConnectShare™ (USB 2.0)		Yes	Yes	Yes	Yes
	EPG		Yes	Yes	Yes	Yes
	Extended PVR		Yes	Yes	Yes	Yes
	Freesync		FreeSync Premium Pro	FreeSync Premium Pro	FreeSync Premium Pro	FreeSync Premium Pro
	G-SYNC		N/A	N/A	N/A	N/A
	Filmmaker Mode (FMM)		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
	BT HID Built-in		Yes	Yes	Yes	Yes
USB HID Support		Yes	Yes	Yes	Yes	
Teletext (TTX)		Yes	Yes	Yes	Yes	
Time Shift		Yes	Yes	Yes	Yes	
IPv6 Support		Yes	Yes	Yes	Yes	
MBR Support		Yes	Yes	Yes	Yes	
<b>Eco Feature</b>	Eco Sensor		Yes	Yes	Yes	Yes
	Energy Efficiency Class		3	4	5	5
<b>Power</b>	Power Supply	Hz	AC220-240V 50/60Hz	AC220-240V 50/60Hz	AC220-240V 50/60Hz	AC220-240V 50/60Hz
	Power Consumption (Max)	W	200 W	245 W	250 W	320 W
	Power Consumption (Stand-by)	W	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)	W	132.0 W	152.0 W	165.0 W	192.0 W
	Peak Luminance Ratio		N/A	N/A	N/A	N/A
	Yearly Power Consumption (EU standard)	kWh	485 kWh	558 kWh	605 kWh	704 kWh

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<b>Dimension</b>	Package Size (WxHxD)	mm	1463 x 846 x 172 mm	1621 x 947 x 204 mm	1902 x 1123 x 214 mm	2146 x 1245 x 240 mm
	Set Size with Stand (WxHxD)	mm	1227.4 x 767.8 x 257.5 mm	1446.3 x 891.1 x 290.0 mm	1670.4 x 1019.9 x 317.2 mm	1892.2 x 1143.5 x 340.0 mm
	Set Size without Stand (WxHxD)	mm	1227.4 x 706.2 x 26.9 mm	1446.3 x 829.3 x 26.9 mm	1670.4 x 958.2 x 27.7 mm	1892.2 x 1082.5 x 27.2 mm
	Stand (Basic) (WxD)	mm	390.0 x 257.5 mm	390 x 290 mm	420.0 x 317.2 mm	420.0 x 340.0 mm
	Stand (Minimum) (WxD)		N/A	N/A	N/A	N/A
<b>Weight</b>	Package Weight	kg	26.8 kg	36.0 kg	51.8 kg	66.0 kg
	Set Weight with Stand	kg	20.8 kg	28.1 kg	40.9 kg	51.6 kg
	Set Weight without Stand	kg	17.7 kg	24.2 kg	34.6 kg	44.5 kg
<b>Accessory</b>	Remote Controller Model		TM2180E	TM2180E	TM2180E	TM2180E
	Batteries (for Remote Control)		N/A	N/A	N/A	N/A
	Samsung Smart Control (Included)		Yes	Yes	Yes	Yes
	Optional Stand Support (Y20 Studio)		Yes	Yes	N/A	N/A
	Optional One Clear Cable Support		N/A	N/A	N/A	N/A
	Vesa Wall Mount Support		Yes	Yes	Yes	Yes
	User Manual		Yes	Yes	Yes	Yes
	E-Manual		Yes	Yes	Yes	Yes
	ANT-Cable		N/A	N/A	N/A	N/A
	Power Cable		Yes	Yes	Yes	Yes
	HDMI Cable		N/A	N/A	N/A	N/A
Slim Gender Cable		Yes	Yes	Yes	Yes	