

SAMSUNG

QN800B Neo QLED 8K Smart TV (2022)

Greatness never ends, but evolves with 8K.



65", 75", 85"

Top Features

Quantum Matrix Technology Pro

Take a giant leap towards a truly epic viewing experience. You'll experience exceptional blacks, next-level detail, and superior brightness and contrast, for colour that appears to burst from the screen. ¹

Quantum HDR 32x

Watch your favourite films and shows in extraordinary detail. Quantum HDR 32x helps reveal what you might have missed in particularly dark or light scenes, making them pop with vivid, breathtaking colour. ²

Infinity One Design

Samsung's incredible backlighting technology is to thank for the impossibly thin design. At just 17mm in depth, this Neo QLED knows how to draw your eye straight to the action.

Wireless True Dolby Atmos

Lose yourself in the breathtaking realism of cinematic sound, right in your own home. Your Samsung TV features inbuilt up firing speakers and True Dolby Atmos support to deliver larger-than-life audio experiences. ³

¹ Compared to Neo QLED QN90B.

² The Range of Quantum HDR claims luminance based on internal testing standards and is subject to change according to viewing environment or specific conditions.

³ 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.

		65"	75"	85"
Product	Product Category	QLED	QLED	QLED
	Model Number	QA65QN800BWXXY	QA75QN800BWXXY	QA85QN800BWXXY
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
	One Billion Colours	Yes	Yes	Yes
	Motion Rate	200	200	200
	HDR (High Dynamic Range)	Quantum HDR 32x	Quantum HDR 32x	Quantum HDR 32x
	HDR 10+	Yes	Yes	Yes
	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
	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	Real Depth Enhancer	Real Depth Enhancer
	Auto Motion Plus	Yes	Yes	Yes
	Film Mode	Yes	Yes	Yes
	AI Upscale	Yes	Yes	Yes
	Filmmaker Mode	Yes	Yes	Yes
Brightness/Colour Detection	Brightness/Colour Detection	Brightness/Colour Detection	Brightness/Colour Detection	
Audio	Dolby Digital Plus	Yes 5.1ch	Yes 5.1ch	Yes 5.1ch
	Dolby Atmos	Yes	Yes	Yes
	Object Tracking Sound	OTS+	OTS+	OTS+
	Q-Symphony	Yes (Requires Samsung Soundbar with Q-Symphony Support)	Yes (Requires Samsung Soundbar with Q-Symphony Support)	Yes (Requires Samsung Soundbar with Q-Symphony Support)
	Sound Output (RMS)	70W	70W	70W
	Speaker Type	4.2.2CH	4.2.2CH	4.2.2CH
	Woofer	Yes	Yes	Yes
	Bluetooth Audio	Yes	Yes	Yes
	Active Voice Amplifier	Yes	Yes	Yes
	Adaptive Sound	Adaptive Sound+	Adaptive Sound+	Adaptive Sound+
SmartService	Samsung SMART TV	Smart	Smart	Smart
	Operating System	Tizen™	Tizen™	Tizen™
	Bixby	Yes	Yes	Yes
	Voice Interaction	N/A	N/A	N/A
	Far-Field Voice Interaction	Yes	Yes	Yes
	Alexa Built-in	Yes	Yes	Yes
	Google Assistant Built-in	Yes	Yes	Yes
	Works with Google Assistant	Yes	Yes	Yes
	Works With Alexa	Yes	Yes	Yes
	Samsung TV Plus	Yes	Yes	Yes
	Web Browser	Yes	Yes	Yes
	SmartThings App Support	Yes	Yes	Yes
	SmartThings Dashboard	Yes	Yes	Yes

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Smart Feature	TV to Mobile - Mirroring	Yes (requires Android 6.0† or iPhone iOS 11.4† with Screen Cast capabilities & Smartthings App)	Yes (requires Android 6.0† or iPhone iOS 11.4† with Screen Cast capabilities & Smartthings App)	Yes (requires Android 6.0† or iPhone iOS 11.4† with Screen Cast capabilities & Smartthings App)
	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)
	TV Initiate Mirroring	Yes	Yes	Yes
	Video Communication	Google Duo	Google Duo	Google Duo
	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
	Music Wall	Yes	Yes	Yes
	Mobile Camera Support	Yes	Yes	Yes
	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† with or iPhone iOS 11.4† with Smartthings App Support)	Yes (requires Android 6.0† with or iPhone iOS 11.4† with Smartthings App Support)	Yes (requires Android 6.0† with or iPhone iOS 11.4† with Smartthings App Support)
	Sound Mirroring	Yes	Yes	Yes
	Ambient Mode	Ambient Mode+	Ambient Mode+	Ambient Mode+
Wireless Dex	Yes (Requires Samsung S10 and higher)	Yes (Requires Samsung S10 and higher)	Yes (Requires Samsung S10 and higher)	
Web Service	Microsoft 365 (Subscription required)	Microsoft 365 (Subscription required)	Microsoft 365 (Subscription required)	
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
	Ultrawide Game View	Yes	Yes	Yes
	Freesync	FreeSync Premium Pro	FreeSync Premium Pro	FreeSync Premium Pro
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
	Data Broadcasting	HbbTV 2.0.1	HbbTV 2.0.1	HbbTV 2.0.1
Connectivity	HDMI 2.1	4	4	4
	USB	3	3	3
	Component In (Y/Pb/Pr)	N/A	N/A	N/A
	Composite In (AV)	0	0	0
	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 A / Return Ch. Support	Yes	Yes	Yes
	eARC	Yes (HDMI 3)	Yes (HDMI 3)	Yes (HDMI 3)
	HDMI Quick Switch	Yes	Yes	Yes
	WiFi	Yes (WiFi6)	Yes (WiFi6)	Yes (WiFi6)
	Bluetooth	Yes (BT5.2)	Yes (BT5.2)	Yes (BT5.2)
Anynet+ (HDMI-CEC)	Yes	Yes	Yes	
Design	Design	Infinity One Design	Infinity One Design	Infinity One Design
	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

	65"	75"	85"	
Additional Feature	Auto Rotation	Yes (requires compatible Auto Rotating Accessory mount, sold separately)	N/A	N/A
	9:16 Screen Support	Yes (Need Auto Rotating Accessory, Compatible Model Only)	N/A	N/A
	Auto Channel Search	Yes	Yes	Yes
	Caption (Subtitle)	Yes	Yes	Yes
	ConnectShare™ (HDD)	Yes	Yes	Yes
	ConnectShare™ (USB 2.0)	Yes	Yes	Yes
	EPG	Yes	Yes	Yes
	Extended PVR	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
	One Connect Box	Attachable Slim One Connect (Y22 8K)	Attachable Slim One Connect (Y22 8K)	Attachable Slim One Connect (Y22 8K)
	IPv6 Support	Yes	Yes	Yes
	MBR Support	Yes	Yes	Yes
Accessibility	Voice Guide	AU English, China Chinese, Korean, France French, Italian, German, Spanish	AU English, China Chinese, Korean, France French, Italian, German, Spanish	AU English, China Chinese, Korean, France French, Italian, German, Spanish
	Learn TV Remote / Learn Menu Screen	AU English, French, Spanish	AU English, French, Spanish	AU English, French, Spanish
	Others	Enlarge / High Contrast / Multi-output Audio / SeeColors / Colour Inversion / Grayscale / Sign Language Zoom / Slow Button Repeat / Graphic Zoom / Picture Off	Enlarge / High Contrast / Multi-output Audio / SeeColors / Colour Inversion / Grayscale / Sign Language Zoom / Slow Button Repeat / Graphic Zoom / Picture Off	Enlarge / High Contrast / Multi-output Audio / SeeColors / Colour Inversion / Grayscale / Sign Language Zoom / Slow Button Repeat / Graphic Zoom / Picture Off
Power & Eco Solution	Power Consumption (Max)	370 W	395 W	430 W
	Power Supply	AC220-240V 50/60Hz	AC220-240V 50/60Hz	AC220-240V 50/60Hz
	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)	306.0 W	339.0 W	389.0 W
	Yearly Power Consumption (EU standard)	1120 kWh	1240 kWh	1423 kWh
	Eco Sensor	Yes	Yes	Yes
	Energy Efficiency Class	1	1.5	2
	Auto Power Off	Yes	Yes	Yes
Dimension	Package Size (WxHxD)	1625 x 947 x 210 mm	1872 x 1144 x 196 mm	2114 x 1260 x 220 mm
	Set Size with Stand (WxHxD)	1443.7 x 897.7 x 298.4 mm	1668.3 x 1023.7 x 318.3 mm	1893.4 x 1151.5 x 341.4 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 298.4 mm	360.0 x 318.3 mm	360.0 x 341.4 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	42.0 kg	55.7 kg	71.6 kg
	Set Weight with Stand	31.2 kg	42.1 kg	55.3 kg
	Set Weight without Stand	23.3 kg	32.2 kg	44.3 kg
Accessory	Remote Controller Model	TM2280E	TM2280E	TM2280E
	Batteries (for Remote Control)	N/A	N/A	N/A
	Samsung Smart Control (Included)	Yes	Yes	Yes
	Slim Fit Wall-mount Support	Yes	Yes	Yes
	Optional Stand Support (Y20 Studio)	Yes	N/A	N/A
	Optional One Connect Cable Support	Yes	Yes	Yes
	Mini Wall Mount Support	Yes	N/A	N/A
	Vesa Wall Mount Support	Yes	Yes	Yes
	User Manual	Yes	Yes	Yes
	E-Manual	Yes	Yes	Yes
	Power Cable	Yes	Yes	Yes