

SAMSUNG

QN85D – Neo QLED 4K Smart TV (2024)

More Wow in 4K, Neo QLED



55", 65", 75", 85"

Top Features

4K Quantum Matrix Technology

Quantum Matrix Technology uses our proprietary Quantum Mini LEDs with precise light control to enhance picture quality, quality by delivering deep blacks and brilliant contrast.

4K AI Upscaling powered by NQ4 AI Gen2 Processor

Enjoy one of our best 4K picture performances. Using AI neural networks, your TV upscales your favourite content up to 4K to help it look its best.¹

Motion Rate 200

See fast-moving scenes with minimal blur and judder so that you have a sharper and smoother viewing experience watching live sports and action movies.²

Dolby Atmos

Enjoy incredible sound with Dolby Atmos support to deliver larger-than-life audio experiences.³

¹ 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.

² Viewing experience may vary according to types of content and format.

³ Source content must be Dolby Atmos® enabled for Dolby Atmos® playback.

Product	Product Category	55"	65"	75"	85"
		Neo QLED	Neo QLED	Neo QLED	Neo QLED
		Model Number	QA55QN85DBWXXY	QA65QN85DBWXXY	QA75QN85DBWXXY
Display	Screen Size	55"	65"	75"	85"
	Resolution	4K (3,840 x 2,160)	4K (3,840 x 2,160)	4K (3,840 x 2,160)	4K (3,840 x 2,160)
	Refresh Rate	100Hz	100Hz	100Hz	100Hz
	Motion Rate	200	200	200	200
	Anti Reflection	N/A	N/A	N/A	N/A
Video	Picture Engine	NQ4 AI Gen2 Processor	NQ4 AI Gen2 Processor	NQ4 AI Gen2 Processor	NQ4 AI Gen2 Processor
	HDR (High Dynamic Range)	Neo Quantum HDR	Neo Quantum HDR	Neo Quantum HDR	Neo Quantum HDR
	HDR 10+	Yes (ADAPTIVE/ GAMING)	Yes (ADAPTIVE/ GAMING)	Yes (ADAPTIVE/ GAMING)	Yes (ADAPTIVE/ GAMING)
	AI HDR Remastering	Auto HDR Remastering	Auto HDR Remastering	Auto HDR Remastering	Auto HDR Remastering
	Contrast	Quantum Matrix Technology	Quantum Matrix Technology	Quantum Matrix Technology	Quantum Matrix Technology
	Colour	Quantom Dot	Quantom Dot	Quantom Dot	Quantom Dot
	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	Real Depth Enhancer	Real Depth Enhancer	Real Depth Enhancer	Real Depth Enhancer
	Expert Calibration	N/A	N/A	N/A	N/A
	Smart Calibration	Basic	Basic	Basic	Basic
	Picture Upscale	4K AI Upscaling	4K AI Upscaling	4K AI Upscaling	4K AI Upscaling
	AI Motion Enhancer	N/A	N/A	N/A	N/A
	Supersize Picture Enhancer	N/A	N/A	N/A	Yes
	HDR Brightness Optimiser	Yes	Yes	Yes	Yes
Filmmaker Mode	Yes	Yes	Yes	Yes	
Audio	Dolby Atmos	Yes	Yes	Yes	Yes
	Object Tracking Sound	OTS Lite	OTS Lite	OTS Lite	OTS Lite
	Q-Symphony	Yes	Yes	Yes	Yes
	Sound Output (RMS)	40W	40W	40W	40W
	Speaker Type	2.2CH	2.2CH	2.2CH	2.2CH
	Active Voice Amplifier Pro	Yes	Yes	Yes	Yes
	Adaptive Sound	Adaptive Sound Pro	Adaptive Sound Pro	Adaptive Sound Pro	Adaptive Sound Pro
	360 Audio	Yes	Yes	Yes	Yes

	55"	65"	75"	85"	
Smart Service	Operating System	Tizen™ Smart TV	Tizen™ Smart TV	Tizen™ Smart TV	Tizen™ Smart TV
	Bixby	Yes	Yes	Yes	Yes
	Far-Field Voice Interaction	Yes	Yes	Yes	Yes
	Built-in Voice Assistant	Alexa	Alexa	Alexa	Alexa
	Works with AI Speaker	Alexa, Google Assistant	Alexa, Google Assistant	Alexa, Google Assistant	Alexa, Google Assistant
	Samsung TV Plus	Yes	Yes	Yes	Yes
	Web Browser	Yes	Yes	Yes	Yes
	SmartThings Hub / Matter Hub / IoT-Sensor Funtionality	Yes	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, 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)	Yes (requires Android 8.1† with Screen Cast capabilities)
	Multi-View	Up to 2 videos	Up to 2 videos	Up to 2 videos	Up to 2 videos
	Ambient Mode	Ambient Mode+	Ambient Mode+	Ambient Mode+	Ambient Mode+
	NFT	Nifty Gateway	Nifty Gateway	Nifty Gateway	Nifty Gateway
	ScreenVitals	Yes	Yes	Yes	Yes
	Apple AirPlay	Yes	Yes	Yes	Yes
	Daily+	Yes	Yes	Yes	Yes
Game Feature	HDMI 2.1 Support	Yes (Up to 120Hz/FPS)	Yes (Up to 120Hz/FPS)	Yes (Up to 120Hz/FPS)	Yes (Up to 120Hz/FPS)
	Auto Game Mode (ALLM)	Yes	Yes	Yes	Yes
	Game Motion Plus	Yes	Yes	Yes	Yes
	VRR	Yes	Yes	Yes	Yes
	Dynamic Black EQ	Yes	Yes	Yes	Yes
	Surround Sound	Yes	Yes	Yes	Yes
	Super Ultra Wide Game View	Yes	Yes	Yes	Yes
	MiniMap Zoom	Yes	Yes	Yes	Yes
	Hue Sync	Yes	Yes	Yes	Yes
	FreeSync	FreeSync Premium Pro	FreeSync Premium Pro	FreeSync Premium Pro	FreeSync Premium Pro
	HGiG	Yes	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)	Yes (KR, US, CA, BR, GB, FR, DE, IT, ES, MX, AU)

		55"	65"	75"	85"
Tuner/Broadcasting	Digital Broadcasting	DVB-T(T2 Ready)	DVB-T(T2 Ready)	DVB-T(T2 Ready)	DVB-T(T2 Ready)
	Analog Tuner	Yes	Yes	Yes	Yes
	CI (Common Interface)	N/A	N/A	N/A	N/A
Connectivity	Wi-Fi	Yes (Wi-Fi 5)	Yes (Wi-Fi 5)	Yes (Wi-Fi 5)	Yes (Wi-Fi 5)
	Bluetooth	Yes (BT5.2)	Yes (BT5.2)	Yes (BT5.2)	Yes (BT5.2)
	HDMI	4	4	4	4
	HDMI Maximum Input Rate	4K 120Hz (for HDMI 1/2/3/4)	4K 120Hz (for HDMI 1/2/3/4)	4K 120Hz (for HDMI 1/2/3/4)	4K 120Hz (for HDMI 1/2/3/4)
	HDMI Audio Return Channel	eARC	eARC	eARC	eARC
	One Connect Box	N/A	N/A	N/A	N/A
	Anynet+ (HDMI-CEC)	Yes	Yes	Yes	Yes
	USB	2 x USB-A	2 x USB-A	2 x USB-A	2 x USB-A
	POGO (SlimFit Cam Only)	N/A	N/A	N/A	N/A
	Ethernet (LAN)	1	1	1	1
	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)	1/1(Common Use for Terrestrial)/0	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	N/A	
Design	Design	Simple Chamfer	Simple Chamfer	Simple Chamfer	Simple Chamfer
	Bezel Type	3 Bezel-less	3 Bezel-less	3 Bezel-less	3 Bezel-less
	Slim Type	Flat look	Flat look	Flat look	Flat look
	Front Colour	GRAPHITE BLACK	GRAPHITE BLACK	GRAPHITE BLACK	GRAPHITE BLACK
	Stand Type	ONE TOUCH HEXAGON	ONE TOUCH HEXAGON	ONE TOUCH HEXAGON	ONE TOUCH HEXAGON
	Stand Colour	TITAN BLACK	TITAN BLACK	TITAN BLACK	TITAN BLACK
Additional Feature	Auto Rotation	N/A	N/A	N/A	N/A
	Motion Detection	N/A	N/A	N/A	N/A
	Knox Vault	N/A	N/A	N/A	N/A
	Embedded POP	Yes	Yes	Yes	Yes
	EPG	Yes	Yes	Yes	Yes
	Extended PVR	Yes	Yes	Yes	Yes
	IP Control	Yes	Yes	Yes	Yes
	OSD Language	Local Languages	Local Languages	Local Languages	Local Languages

		55"	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	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	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	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	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	AC220-240V~ 50/60Hz
	Power Consumption (Max)	195 W	250 W	330 W	380 W
	Power Consumption (Energy Saving Mode)	0.5 W	N/A	N/A	N/A
	Power Consumption (Stand-by)	N/A	0.5 W	0.5 W	0.5 W
	Power Consumption (Typical)	112.0 W	134.5 W	178.0 W	215.0 W
	Yearly Power Consumption (EU standard)	412 kWh	492 kWh	653 kWh	788 kWh
	Eco Sensor	Yes	Yes	Yes	Yes
	Auto Power Saving	Yes	Yes	Yes	Yes
	Energy Efficiency Class	4	4.5	4.5	4.5
	Auto Power Off	Yes	Yes	Yes	Yes
Dimension	Package Size (WxHxD)	1445.0 x 828.0 x 164.0 mm	1633.0 x 935.0 x 180.0 mm	1872.0 x 1100.0 x 186.0 mm	2150.0 x 1235.0 x 209.0 mm
	Set Size with Stand (WxHxD)	1227.6 x 766.0 x 243.9 mm	1446.5 x 890.0 x 258.8 mm	1670.2 x 1015.9 x 274.9 mm	1892.4 x 1141.4 x 309.3 mm
	Set Size without Stand (WxHxD)	1227.6 x 706.4 x 46.1 mm	1446.5 x 829.5 x 46.3 mm	1670.2 x 958.2 x 46.7 mm	1892.4 x 1082.9 x 47.0 mm
	Stand (Basic) (WxD)	361.7 x 243.9 mm	387.4 x 258.8 mm	417.5 x 274.9 mm	417.8 x 309.3 mm
	Stand (Minimum) (WxD)	N/A	N/A	N/A	N/A
	VESA Spec	200 x 200 mm	400 x 300 mm	400 x 400 mm	600 x 400 mm
Weight	Package Weight	25.6 kg	34.7 kg	48.3 kg	62.9 kg
	Set Weight with Stand	20.1 kg	26.8 kg	38.5 kg	49.7 kg
	Set Weight without Stand	17.1 kg	23.1 kg	33.1 kg	42.5 kg

Accessory

	55"	65"	75"	85"
Remote Controller Model	TM2360E	TM2360E	TM2360E	TM2360E
Slim Fit Wall-mount Support	Yes	Yes	Yes	Yes
Studio Stand Support	Yes	Yes	N/A	N/A
Auto-Rotation Accessory Support	Yes	Yes	N/A	N/A
Full Motion Slim Wall Mount Support (Y22)	Yes	Yes	Yes	Yes
SlimFit Cam Support	Yes	Yes	Yes	Yes
Zigbee / Thread Module	Built-In	Built-In	Built-In	Built-In
User Manual	Yes	Yes	Yes	Yes
Power Cable	Yes	Yes	Yes	Yes