SAMSUNG

Neo QLED QN85F 4K Vision AI Smart TV (2025)

Enrich your experience with Samsung Vision AI

55”, 65”, 75”, 85”

Top Features

NQ4 AI Gen2 Processor	This processor uses the power of 20 AI neural networks to optimise picture and sound quality. The result is superb performance, whether you're watching streaming services, playing your favourite video games or watching live sports.[1]
Quantum Matrix Technology Plus	Quantum Matrix Technology brings innovation to TV display technology. Using our proprietary Quantum Mini LEDs with precise light control, Samsung have enhanced picture quality, delivering incredible detail, deep blacks and brilliant contrast.[2]
Dolby Atmos®	Enjoy incredible sound with Dolby Atmos support to deliver larger-than-life audio experiences.[3]
Neo Quantum HDR	Watch your favourite films come to life in new detail with Neo Quantum HDR. Dynamic contrast and colour helps reveal what you might have missed in particularly dark or light scenes, delivering stunning scenes for you to enjoy.[4]

1 Viewing experience may vary according to types of content and format. Upscaling may not apply to PC connection and Game Mode.
2 Compared to Samsung TV without Quantum Matrix Technology Core
3 Source content must be Dolby Atmos® enabled for Dolby Atmos® playback.
4 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	NeoQLED	NeoQLED	NeoQLED	NeoQLED
	Model Number	QA55QN85FAWXXY	QA65QN85FAWXXY	QA75QN85FAWXXY	QA85QN85FAWXXY
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)
	Native Refresh Rate	100Hz	100Hz	100Hz	100Hz
	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)
	Auto HDR Remastering	Auto HDR Remastering	Auto HDR Remastering	Auto HDR Remastering	Auto HDR Remastering
	Contrast	Quantum Matrix Technology Plus	Quantum Matrix Technology Plus	Quantum Matrix Technology Plus	Quantum Matrix Technology Plus
	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
	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
	Colour Booster	Colour Booster Pro	Colour Booster Pro	Colour Booster Pro	Colour Booster Pro
	Filmmaker Mode	Yes	Yes	Yes	Yes
	EyeComfort 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	Yes (Active Voice Amplifier Pro)	Yes (Active Voice Amplifier Pro)	Yes (Active Voice Amplifier Pro)	Yes (Active Voice Amplifier Pro)
	Adaptive Sound	Yes (Adaptive Sound Pro)	Yes (Adaptive Sound Pro)	Yes (Adaptive Sound Pro)	Yes (Adaptive Sound Pro)
	360 Audio	Yes	Yes	Yes	Yes

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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 Functionality / Quick Remote	Yes	Yes	Yes	Yes
Smart Feature	Multi Device Experience	TV to Mobile, Mobile to TV, TV initiate mirroring, Sound Mirroring, Wireless TV On, Tap View (requires Android 6.0↑ with Screen Cast capabilities or iPhone iOS 11.4↑ with AirPlay 2 support) (Tap View requires Android 8.1↑ with Screen Cast capabilities)	TV to Mobile, Mobile to TV, TV initiate mirroring, Sound Mirroring, Wireless TV On, Tap View (requires Android 6.0↑ with Screen Cast capabilities or iPhone iOS 11.4↑ with AirPlay 2 support) (Tap View requires Android 8.1↑ with Screen Cast capabilities)	TV to Mobile, Mobile to TV, TV initiate mirroring, Sound Mirroring, Wireless TV On, Tap View (requires Android 6.0↑ with Screen Cast capabilities or iPhone iOS 11.4↑ with AirPlay 2 support) (Tap View requires Android 8.1↑ with Screen Cast capabilities)	TV to Mobile, Mobile to TV, TV initiate mirroring, Sound Mirroring, Wireless TV On, Tap View (requires Android 6.0↑ with Screen Cast capabilities or iPhone iOS 11.4↑ with AirPlay 2 support) (Tap View 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	N/A	N/A	N/A	N/A
	ScreenVitals	Yes	Yes	Yes	Yes
	Apple AirPlay 2	Yes	Yes	Yes	Yes
	Daily+	Yes	Yes	Yes	Yes
	Storage Share	Yes	Yes	Yes	Yes
	Generative Wallpaper	Yes	Yes	Yes	Yes
	Karaoke Mic	Yes	Yes	Yes	Yes
Game Feature	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 (US, CA, KR, BR, UK, FR, DE, IT, ES, MX, AU)	Yes (US, CA, KR, BR, UK, 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)
	AI Auto Game Mode	Yes	Yes	Yes	Yes

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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 (BT5.3)	Yes (BT5.3)	Yes (BT5.3)	Yes (BT5.3)
	HDMI	4	4	4	4
	HDMI Maximum Input Rate	4K 144Hz (for HDMI 1/2/3/4)	4K 144Hz (for HDMI 1/2/3/4)	4K 144Hz (for HDMI 1/2/3/4)	4K 144Hz (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
	Front Colour	TITAN BLACK	TITAN BLACK	TITAN BLACK	TITAN BLACK
	Stand Type	METAL AERO CENTER	METAL AERO CENTER	METAL AERO CENTER	METAL AERO CENTER
	Stand Colour	TITAN BLACK	TITAN BLACK	TITAN BLACK	TITAN BLACK
Additional Feature	Auto Rotation	N/A	N/A	N/A	N/A
	Art Mode	N/A	N/A	N/A	N/A
	Art Store	Yes	Yes	Yes	Yes
	Motion Detection	N/A	N/A	N/A	N/A
	Knox Vault	N/A	N/A	N/A	N/A
	Embeded 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

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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, Relumino, Magnification, Audio Description, Zoom Menu and Text, High Contrast, SeeColors, Colour Inversion, Grayscale, Auto Picture Off	Audio Subtitles, Relumino, Magnification, Audio Description, Zoom Menu and Text, High Contrast, SeeColors, Colour Inversion, Grayscale, Auto Picture Off	Audio Subtitles, Relumino, Magnification, Audio Description, Zoom Menu and Text, High Contrast, SeeColors, Colour Inversion, Grayscale, Auto Picture Off	Audio Subtitles, Relumino, Magnification, Audio Description, Zoom Menu and Text, High Contrast, SeeColors, Colour Inversion, Grayscale, Auto 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 Consumption (Max)	180 W	240 W	270 W	340 W
	Power Supply	AC220-240V~ 50/60Hz	AC220-240V~ 50/60Hz	AC220-240V~ 50/60Hz	AC220-240V~ 50/60Hz
	Power Consumption (Stand-by)	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)	111.0 W	140.0 W	166.0 W	211.0 W
	Yearly Power Consumption (EU standard)	408 kWh	514 kWh	609 kWh	773 kWh
	Eco Sensor	Yes	Yes	Yes	Yes
	Auto Power Saving	Yes	Yes	Yes	Yes
	Energy Efficiency Class	4	4.5	5	5
	Auto Power Off	Yes	Yes	Yes	Yes
Dimension	Package Size (WxHxD)	1352.0 x 813.0 x 148.0 mm	1593 x 930 x 158 mm	1822.0 x 1078.0 x 169.0 mm	2056 x 1200 x 178 mm
	Set Size with Stand (WxHxD)	1227.6 x 761.2 x 247.4 mm	1446.5 x 887.9 x 279.4 mm	1670.2 x 1012.9 x 331.5 mm	1892.4 x 1137.4 x 366.5 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)	263.9 x 247.4 mm	314.3 x 279.4 mm	354.8 x 331.5 mm	375.4 x 366.5 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	23.3 kg	31.2 kg	42.8 kg	55.6 kg
	Set Weight with Stand	18.0 kg	24.0 kg	33.9 kg	43.6 kg
	Set Weight without Stand	17.0 kg	22.7 kg	32.2 kg	41.6 kg
Accessory	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