

Samsung QE50QN80FAU 127 cm (50") 4K Ultra HD Smart TV Wi-Fi Carbon

Brand : Samsung

Product code: QE50QN80FAUXXH

Product name : QE50QN80FAU

- 4K AI Upscaling & NQ4 AI Gen2 Processor: Powerful 4K AI processor optimises picture and sound for superior 4K viewing
 - Quantum Matrix Technology Core with Mini LEDs: Watch what you love in incredible colour, contrast and clarity
 - Dolby Atmos® with Object Tracking Sound Lite: Immersive surround sound that flows with every action
 - AI Sound Pro: Expertly engineered sound, tailored for where and what you're watching
 - Pantone Validated Colour: Enjoy authentic colour, validated by PANTONE
- 50" Neo QLED QN80F 4K Vision AI Smart TV (2025)
- Samsung QE50QN80FAU. Display diagonal: 127 cm (50"), Display resolution: 3840 x 2160 pixels, HD type: 4K Ultra HD, Display technology: Neo QLED, Screen shape: Flat, LED backlighting type: Mini LED. Smart TV. Motion interpolation technology: Motion Xcelerator, Native aspect ratio: 16:9. Digital signal format system: DVB-C, DVB-S2, DVB-T2. Wi-Fi, Ethernet LAN. Product colour: Carbon



Display		Performance	
Display diagonal *	127 cm (50")	TV sound to mobile device	✓
HD type *	4K Ultra HD	Smartphone/tablet remote support	✓
Display technology *	Neo QLED	USB recording	✓
LED backlighting type	Mini LED	Ports & interfaces	
Screen shape *	Flat	Audio Return Channel (ARC)	✓
Native aspect ratio *	16:9	PC in (D-Sub) *	✗
Motion interpolation technology *	Motion Xcelerator	Ethernet LAN (RJ-45) ports	1
Native refresh rate	50 Hz	USB 2.0 ports quantity *	2
Display resolution *	3840 x 2160 pixels	Digital audio optical out	1
Display diagonal (metric)	125 cm	RF ports quantity	3
TV tuner		Common interface (CI) *	✓
Tuner type *	Analog & digital	Common interface Plus (CI+) *	✓
Digital signal format system *	DVB-C, DVB-S2, DVB-T2	Common interface Plus (CI+) version	1.4
Auto channel search	✓	HDMI ports quantity *	4
Smart TV		Consumer Electronics Control (CEC)	Anynet+
Smart TV *	✓	Management features	
Internet TV *	✓	Voice guide	✓
Operating system installed *	Tizen	Electronic Programme Guide (EPG)	✓
Apple AirPlay 2 support	✓	On Screen Display (OSD)	✓
Sound mirroring	✓	Number of OSD languages	28
Hybrid Broadcast Broadband TV (HbbTV)	✓	Auto power off	✓
Hybrid Broadcast Broadband TV (HbbTV) version	2.0.3	Works with Amazon Alexa	✓
Far-field voice interaction	✓	Works with the Google Assistant	✓
TV initiate mirroring	✓	Works with Samsung Bixby	✓
Universal guide	✓	Power	
Audio		Power consumption (typical) *	68 W
RMS rated power *	30 W	Power consumption (standby) *	0.5 W
Audio decoders	Dolby Atmos	Energy efficiency class (SDR) *	G

Audio		Power	
Audio pre-selection descriptor	✔	Energy efficiency class (HDR) *	G
Enhanced Audio Return Channel (eARC)	✔	Energy consumption (SDR) per 1000 hours *	68 kWh
Network		Energy consumption (HDR) per 1000 hours *	172 kWh
Wi-Fi *	✔	AC input voltage	220-240 V
Wi-Fi standards	Wi-Fi 5 (802.11ac)	AC input frequency	50/60 Hz
Bluetooth *	✔	Energy saving mode	✔
Bluetooth version	5.3	Energy efficiency scale	A to G
Ethernet LAN *	✔	Brand-specific features	
Web browser	✔		4K AI Upscaling, AI Auto Game Mode, Active Voice Amplifier Pro, Adaptive Sound Pro, Auto HDR Remastering, EyeComfort Mode, Karaoke Mode, Object Tracking Sound Lite, Q-Symphony, Quantum Matrix Technology, Samsung TV Plus, Smart Calibration, Wide Viewing Angle
Design			
Product colour *	Carbon	Samsung technologies (AV/TV)	
VESA mounting *	✔		
Panel mounting interface	200 x 200 mm		
Introduction year	2025		
Bezel type	3 Bezel-less	Weight & dimensions	
Stand type	Legs stand	Width (with stand)	1114.2 mm
Performance		Depth (with stand)	238.6 mm
High Dynamic Range (HDR) technology	Filmmaker Mode, High Dynamic Range 10+ Adaptive (HDR10 Plus Adaptive), Hybrid Log-Gamma (HLG), Neo Quantum HDR	Height (with stand)	699.3 mm
Game mode	✔	Weight (with stand)	13.3 kg
Eco sensor	✔	Width (without stand)	1114.2 mm
AI Upscale	✔	Depth (without stand)	47.8 mm
TV key support	✔	Height (without stand)	643.6 mm
Backlight dimming technology	Supreme UHD Dimming	Weight (without stand)	12.9 kg
Picture processing technology	Samsung Real Depth Enhancer	Stand width	96.7 cm
Picture processor	NQ4 AI Gen2	Stand depth	23.9 cm
High Dynamic Range (HDR) supported *	✔	Packaging data	
	Auto Low Latency Mode (ALLM), Dynamic Black EQ, Game Motion Plus, Gaming Hub, HGiG, Mini Map Zoom, Super Ultra Wide Game View, Surround Sound, Variable Refresh Rate (VRR)	Package width	1241 mm
Game features		Package depth	142 mm
SmartThings app support	✔	Package height	744 mm
Tap view	✔	Package weight	17 kg
Multi View	✔	Packaging content	
		Desktop stand	✔
		Cables included	AC
		Remote control included	✔
		Remote control type	TM2560E



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Catalog Object Cloud



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