

Samsung 55" Neo QLED QN1EF 4K Vision AI Smart TV (2025)

Brand : Samsung

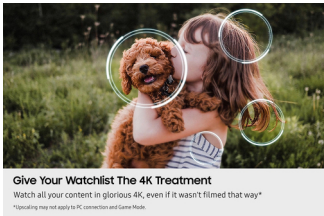
Product code: QE55QN1EFAUXXU

Product name : 55" Neo QLED QN1EF 4K Vision AI Smart TV (2025)

- 4K AI Upscaling & NQ4 AI Gen2 Processor: Powerful 4K AI processor optimises picture and sound for superior 4K viewing¹
- Quantum Matrix Technology Slim with Mini LEDs: See more detail in your on-screen action with boosted colour and clarity
- AI Sound Pro: Expertly engineered sound, tailored for where and what you're watching
- AirSlim: Expertly engineered and beautifully balanced to look great from every angle
- AI Motion Enhancer Pro and Motion Xcelerator 144Hz⁷: AI delivers ultra-smooth motion and virtually no lag or blur for sports and gaming

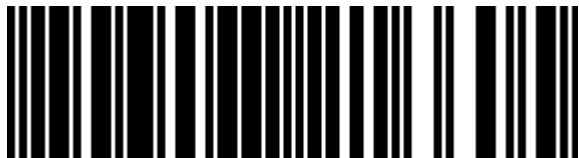
55" Neo QLED QN1EF 4K Vision AI Smart TV (2025)

Samsung 55" Neo QLED QN1EF 4K Vision AI Smart TV (2025). Display diagonal: 139.7 cm (55"), Display resolution: 3840 x 2160 pixels, HD type: 4K Ultra HD, Display technology: Neo QLED, Screen shape: Flat. 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: Black



Display		Performance	
Display diagonal *	139.7 cm (55")	SmartThings app support	✓
HD type *	4K Ultra HD	Tap view	✓
Display technology *	Neo QLED	Multi View	✓
Screen shape *	Flat	TV sound to mobile device	✓
Native aspect ratio *	16:9	Smartphone/tablet remote support	✓
Motion interpolation technology *	Motion Xcelerator		
Native refresh rate	100 Hz	Ports & interfaces	
Display refresh rates supported	144 Hz	Audio Return Channel (ARC)	✓
Dynamic contrast ratio marketing name	Quantum Matrix Technology	PC in (D-Sub) *	✗
Display resolution *	3840 x 2160 pixels	Ethernet LAN (RJ-45) ports	1
Display diagonal (metric)	138 cm	USB 2.0 ports quantity *	2
TV tuner		Digital audio optical out	1
Tuner type *	Analog & digital	RF ports quantity	3
Digital signal format system *	DVB-C, DVB-S2, DVB-T2	Common interface (CI) *	✓
Auto channel search	✓	Common interface Plus (CI+) *	✓
Smart TV		Common interface Plus (CI+) version	1.4
Smart TV *	✓	HDMI ports quantity *	4
Internet TV *	✓	Consumer Electronics Control (CEC)	Anynet+
Operating system installed *	Tizen	Management features	
Apple AirPlay 2 support	✓	Voice guide	✓
Sound mirroring	✓	Electronic Programme Guide (EPG)	✓
Hybrid Broadcast Broadband TV (HbbTV)	✓	On Screen Display (OSD)	✓
Hybrid Broadcast Broadband TV (HbbTV) version	2.0.3	Number of OSD languages	28
TV initiate mirroring	✓	Auto power off	✓
Universal guide	✓	Works with Amazon Alexa	✓
Video apps	Samsung TV Plus	Works with the Google Assistant	✓
Audio		Works with Samsung Bixby	✓
Number of speakers *	2	Power	
RMS rated power *	20 W	Power consumption (typical) *	84 W
Audio pre-selection descriptor	✓	Power consumption (standby) *	0.5 W
		Energy efficiency class (SDR) *	G
		Energy efficiency class (HDR) *	G

Audio		Power	
Enhanced Audio Return Channel (eARC)	✓	Energy consumption (SDR) per 1000 hours *	84 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, AirSlim, Auto HDR Remastering, EyeComfort Mode, Karaoke Mode, Object Tracking Sound Lite, Q-Symphony, Quantum Matrix Technology, Quantum Matrix Technology Slim, Samsung TV Plus, Smart Calibration, Wide Viewing Angle
Design			
Product colour *	Black	Samsung technologies (AV/TV)	
VESA mounting *	✓		
Panel mounting interface	200 x 200 mm		
Introduction year	2025		
Bezel type	3 Bezel-less		
Stand type	Legs stand	Weight & dimensions	
Performance		Width (with stand)	1232.9 mm
	Filmmaker Mode, High Dynamic Range 10+ Adaptive (HDR10 Plus Adaptive), High Dynamic Range 10+ Gaming (HDR10 Plus Gaming), Hybrid Log-Gamma (HLG), Neo Quantum HDR	Depth (with stand)	238.6 mm
High Dynamic Range (HDR) technology		Height (with stand)	768.5 mm
Game mode	✓	Weight (with stand)	14.6 kg
Eco sensor	✓	Width (without stand)	1232.9 mm
AI Upscale	✓	Depth (without stand)	25.7 mm
TV key support	✓	Height (without stand)	709.2 mm
Backlight dimming technology	Supreme UHD Dimming	Weight (without stand)	14.2 kg
Picture processing technology	Samsung Real Depth Enhancer	Stand width	91 cm
Picture processor	NQ4 AI Gen2	Stand depth	23.9 cm
High Dynamic Range (HDR) supported *	✓	Packaging data	
AMD FreeSync	✓	Package width	1369 mm
AMD FreeSync type	FreeSync Premium	Package depth	142 mm
	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 height	819 mm
Game features		Package weight	19.3 kg
		Packaging content	
		Desktop stand	✓
		Cables included	AC
		Remote control included	✓
		Remote control type	TM2560E (UK Add TM1240A)



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