

Samsung 2025 QN80F 55" 4K NEO QLED HDR Smart TV 139.7 cm (55") 4K Ultra HD Wi-Fi Silver

Brand : Samsung

Product code: QE55QN80FAUXU

Product name : 2025 QN80F 55" 4K NEO QLED HDR Smart TV

- 4K AI Upscaling & NQ4 AI Gen2 Processor¹: 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
- Motion Xcelerator 144Hz: Game on glitch-free with ultra-smooth gameplay and perfect visuals

55" Neo QLED QN80F 4K Vision AI Smart TV (2025)
Samsung 2025 QN80F 55" 4K NEO QLED HDR Smart TV. 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. Wi-Fi, Ethernet LAN. Product colour: Silver



Display		Ports & interfaces	
Display diagonal *	139.7 cm (55")	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
HD type *	4K Ultra HD	Digital audio optical out	1
Display technology *	Neo QLED	RF ports quantity	1
Screen shape *	Flat	Common interface (CI) *	✓
Motion interpolation technology *	Motion Xcelerator	Common interface Plus (CI+) *	✓
Native refresh rate	100 Hz	HDMI ports quantity *	4
Display refresh rates supported	144 Hz	Consumer Electronics Control (CEC)	Anynet+
Display resolution *	3840 x 2160 pixels		
TV tuner		Management features	
Tuner type *	Analog & digital	Voice control	✓
Smart TV		Electronic Programme Guide (EPG)	✓
Smart TV *	✓	Auto power off	✓
Internet TV *	✓	Works with Amazon Alexa	✓
Operating system installed *	Tizen	Works with the Google Assistant	✓
Operating system version	Tizen	Works with Samsung Bixby	✓
Screen mirroring	✓		
Apple AirPlay 2 support	✓		
Far-field voice interaction	✓		
Video apps	Samsung TV Plus		
Audio		Power	
RMS rated power *	30 W	Power consumption (typical) *	76 W
Audio output channels	4.0 channels	Power consumption (standby) *	0.5 W
Sound modes	Adaptive Sound Pro, Surround	Power consumption (max)	230 W
Audio pre-selection descriptor	✓	Energy efficiency class (SDR) *	F
Adaptive sound	✓	Energy efficiency class (HDR) *	G
Q-Symphony	✓	Energy consumption (SDR) per 1000 hours *	76 kWh
		Energy consumption (HDR) per 1000 hours *	217 kWh
		Energy saving mode	✓

Audio		Brand-specific features	
Active voice amplifier (AVA)	✓	Samsung technologies (AV/TV)	4K AI Upscaling, AI Auto Game Mode, AI Customisation Mode, AI Energy Mode, AI Mode, AI Sound Pro, Auto Game Mode (ALLM), Auto HDR Remastering, Colour Booster Pro, Dolby Atmos®, FreeSync Premium Pro, Game Bar, Gaming Hub, Generative Wallpaper, Motion Xcelerator 144Hz, Multiple Voice Assistants, NQ4 AI Gen2 Processor, Neo Quantum HDR, Object Tracking Sound Lite, PANTONE Validated, Quantum Matrix Technology Core, Real Depth Enhancer, Samsung Health, Samsung Knox Security, Samsung Multi View, Samsung Q-Symphony, Samsung TV Plus, Smart TV powered by Tizen, SmartThings, SmartThings Calibration, SolarCell Remote, Supersize Picture Enhancer, Universal Gesture
Enhanced Audio Return Channel (eARC)	✓		
Audio system	Dolby Atmos		
Network			
Wi-Fi *	✓		
Bluetooth *	✓		
Bluetooth version	5.3		
Ethernet LAN *	✓		
Miracast	✗		
Design		Technical details	
Product colour *	Silver	Sound technology	Dolby Atmos, Q-Symphony, OTS Lite, 360 Audio, Surround, Active Voice Amplifier Pro
Colour name	Carbon Silver		
VESA mounting *	✓	Processor	NQ4 AI Gen2 Processor
Panel mounting interface	200 x 200 mm		
Introduction year	2025	Weight & dimensions	
Bezel type	3 Bezel-less	Width (with stand)	1227.6 mm
Mini wall mount support	✓	Depth (with stand)	247.4 mm
Stand type	Center stand	Height (with stand)	764 mm
Stand colour	Grey	Weight (with stand)	17.2 kg
Performance		Width (without stand)	1227.6 mm
High Dynamic Range (HDR) technology	HDR 10+, High Dynamic Range 10+ Adaptive (HDR10 Plus Adaptive), High Dynamic Range 10+ Gaming (HDR10 Plus Gaming), Neo Quantum HDR	Depth (without stand)	47.2 mm
		Height (without stand)	706.2 mm
Game mode	✓	Weight (without stand)	16.4 kg
Subtitles function	✓	Packaging data	
High Dynamic Range (HDR) supported *	✓	Manual	✓
AMD FreeSync	✓	Package weight	22 kg
Game features	Auto Low Latency Mode (ALLM), Game Bar, Game Motion Plus, Gaming Hub, HGiG, Mini Map Zoom, Super Ultra Wide Game View, Surround Sound, Variable Refresh Rate (VRR)	Package width	1352 mm
		Package depth	148 mm
		Package height	813 mm
		Package weight	22 kg
4K Ultra HD upscaling	✓	Packaging content	
Auto standby	✓	Cables included	AC
SmartThings app support	✓	Remote control included	✓
Ports & interfaces		Remote control type	TM2360E (UK Add TM1240A)
Audio Return Channel (ARC)	✓	Smart Remote included	✓
Ethernet LAN (RJ-45) ports	1	Other features	
		Annual energy consumption	105 kWh
		Aerial input	DVB-T2CS2
		HDMI	✓
		Country of origin	Slovakia
		Mains power	✓
		Stand	AERO LINEAR

Other features

Brand-specific features

NQ4 AI Gen2 Processor, 4K AI Upscaling, Quantum Matrix Technology Core, Neo Quantum HDR, Dolby Atmos® (virtual), Motion Xcelerator 144Hz, PANTONE Validated, AI Sound Pro, Smart TV powered by Tizen OS*, Gaming Hub, Samsung TV Plus, Samsung Q-Symphony, Object Tracking Sound Lite, Samsung Knox Security, SmartThings, Colour Booster Pro, Real Depth Enhancer, Auto HDR Remastering, Supersize Picture Enhancer, AI Auto Game Mode, Game Bar, AI Mode, AI Customisation Mode, SolarCell Remote, FreeSync Premium Pro, Universal Gesture, Generative Wallpaper, SmartThings Collaboration, Auto Game Mode (ALLM), AI Energy Mode, Multi View, Multiple Voice Assistants, Samsung Health*



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