

Samsung 2025 QN90F 55" Neo QLED 4K HDR Smart TV 139.7 cm (55") 4K Ultra HD Wi-Fi Black

Brand : Samsung

Product code: QE55QN90FATXXU

Product name : 2025 QN90F 55" Neo QLED 4K HDR Smart TV



- 4K AI Upscaling Pro & NQ4 AI Gen3 Processor¹: Our best 4K AI processor optimises picture and sound for our ultimate 4K viewing
 - Neo Quantum HDR+ with Mini LEDs, now Glare Free⁵: See every detail with bright whites, deep blacks and stunning contrast - glare free
 - AI Motion Enhancer Pro and Motion Xcelerator 165Hz¹²: AI delivers ultra-smooth motion and virtually no lag or blur for sports and gaming
 - Dolby Atmos[®] with Object Tracking Sound+: Get wrapped up in 8-speaker sound that moves with the action
 - Quantum Matrix Technology Plus: Don't miss a thing with Mini LED technology for a brighter, better picture
- 55" Neo QLED QN90F 4K Vision AI Smart TV (2025)
Samsung 2025 QN90F 55" Neo QLED 4K 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: Black

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	120 Hz	HDMI ports quantity *	4
Display refresh rates supported	165 Hz	Consumer Electronics Control (CEC)	Anynet+
Display resolution *	3840 x 2160 pixels	Management features	
Anti-glare screen	✓	Voice control	✓
TV tuner		Electronic Programme Guide (EPG)	✓
Tuner type *	Analog & digital	Auto power off	✓
Smart TV		Works with Amazon Alexa	✓
Smart TV *	✓	Works with the Google Assistant	✓
Internet TV *	✓	Works with Samsung Bixby	✓
Operating system installed *	Tizen	Power	
Operating system version	Tizen	Power consumption (typical) *	76 W
Screen mirroring	✓	Power consumption (standby) *	0.5 W
Apple AirPlay 2 support	✓	Power consumption (max)	235 W
Far-field voice interaction	✓	Energy efficiency class (SDR) *	F
Video apps	Samsung TV Plus	Energy efficiency class (HDR) *	G
Audio		Energy consumption (SDR) per 1000 hours *	76 kWh
RMS rated power *	60 W	Energy consumption (HDR) per 1000 hours *	209 kWh
Audio output channels	4.2.2 channels	Energy saving mode	✓
Sound modes	Adaptive Sound Pro, Surround		
Audio pre-selection descriptor	✓		
Adaptive sound	✓		

Audio		Brand-specific features	
Q-Symphony	✓	Samsung technologies (AV/TV)	4K AI Upscaling Pro, AI Auto Game Mode, AI Customisation Mode, AI Energy Mode, AI Mode, AI Motion Enhancer Pro, AI Sound Pro, Auto Game Mode (ALLM), Auto HDR Remastering Pro, Colour Booster Pro, Dolby Atmos®, FreeSync Premium Pro, Game Bar, Gaming Hub, Motion Xcelerator 165Hz, Multiple Voice Assistants, NQ4 AI Gen3 Processor, Neo Quantum HDR+, NeoSlim Design, Object Tracking Sound PLUS, PANTONE Validated, Quantum Matrix Technology Plus, Real Depth Enhancer Pro, Samsung Health, Samsung Knox Security, Samsung Multi View, Samsung Q-Symphony, Samsung TV Plus, Slim Fit Wall-Mount Compatible, Smart TV powered by Tizen, SmartThings, SmartThings Calibration Pro, SolarCell Remote, Supersize Picture Enhancer
Active voice amplifier (AVA)	✓		
Enhanced Audio Return Channel (eARC)	✓		
Audio system	Dolby Atmos		
Network			
Wi-Fi *	✓		
Bluetooth *	✓		
Bluetooth version	5.3		
Ethernet LAN *	✓		
Miracast	✗		
Design			
Product colour *	Black		
Colour name	Titan Black		
VESA mounting *	✓		
Panel mounting interface	200 x 200 mm		
Introduction year	2025		
Bezel type	4 Bezel-less	Technical details	
Mini wall mount support	✓	Sound technology	Dolby Atmos, Q-Symphony, OTS+, 360 Audio, Surround, Audio pre-selection descriptor, Active Voice Amplifier Pro
Stand type	Hexagon stand		
Stand colour	Black		
Performance		Processor	NQ4 AI Gen3 Processor
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+	Weight & dimensions	
		Width (with stand)	1227.4 mm
		Depth (with stand)	237 mm
		Height (with stand)	768.2 mm
		Weight (with stand)	20.6 kg
Game mode	✓	Width (without stand)	1227.4 mm
Subtitles function	✓	Depth (without stand)	26.9 mm
High Dynamic Range (HDR) supported *	✓	Height (without stand)	705.6 mm
AMD FreeSync	✓	Weight (without stand)	17.7 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)	Packaging data	
		Manual	✓
		Package weight	25.5 kg
		Package width	1448 mm
		Package depth	170 mm
4K Ultra HD upscaling	✓	Package height	826 mm
Auto standby	✓	Package weight	25.5 kg
SmartThings app support	✓	Packaging content	
Ports & interfaces		Cables included	AC
Audio Return Channel (ARC)	✓	Remote control included	✓
Ethernet LAN (RJ-45) ports	1	Remote control type	TM2360E (UK, Italia add TM1240A)
		Smart Remote included	✓
		Other features	
		Annual energy consumption	105 kWh
		Aerial input	DVB-T2CS2 x2
		HDMI	✓
		Country of origin	Slovakia
		Mains power	✓
		Stand	AERO LINEAR

Other features

Brand-specific features

NQ4 AI Gen3 Processor, 4K AI Upscaling Pro, Glare Free, Neo Quantum HDR+, Quantum Matrix Technology Plus, Dolby Atmos® (virtual), NeoSlim Design, AI Motion Enhancer Pro, Object Tracking Sound+, Smart TV powered by Tizen OS*, Gaming Hub, Samsung TV Plus, AI Sound Pro, Motion Xcelerator 165Hz, PANTONE Validated, Samsung Q-Symphony, Samsung Knox Security, SmartThings, Colour Booster Pro, Real Depth Enhancer Pro, Auto HDR Remastering Pro, Supersize Picture Enhancer, AI Auto Game Mode, Game Bar, AI Mode, AI Customisation Mode, SolarCell Remote, Slim Fit Wall-Mount Compatible, FreeSync Premium Pro, SmartThings Calibration Pro, Auto Game Mode (ALLM), AI Energy Mode, Multi View, Multiple Voice Assistants, Samsung Health*



8806095989648

Catalog Object Cloud



Disclaimer. The information published here (the "Information") is based on sources that can be considered reliable, typically the manufacturer, but this Information is provided "AS IS" and without guarantee of correctness or completeness. The Information is only indicative and can be changed at any time without notification. No rights can be based on the Information. Suppliers or aggregators of this Information do not accept any liability with regard to the content of (web)pages and other documents, including its Information. The publisher of the Information can not be held liable for the content of 3rd party websites that are linking this Information or are linked to from this Information. You as the User of the Information are solely responsible for the choice and usage of this Information. You are not entitled to transfer, copy or otherwise multiply or distribute the Information. You are obliged to follow the directions of the copyright owner(s) with regard to the use of the Information. Exclusively Dutch law is applicable. With regard to price and stock data on the site, the publisher followed a number of starting points, which are not necessarily relevant for your private or business circumstances. Therefore, the price and stock data are only indicative and are subject to changes. You are personally responsible for the way you use and apply this information. As a user of the Information or sites or documents in which this Information is included, you will adhere to standard fair use including avoidance of spamming, ripping, intellectual-property violations, privacy violations, and any other illegal activity.