

Samsung 2025 QN90F 98" Neo QLED 4K HDR Smart TV 2.49 m (98") 4K Ultra HD Wi-Fi Black

Brand : Samsung

Product code: QE98QN90FATXXU

Product name : 2025 QN90F 98" 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

98" Neo QLED QN90F 4K Vision AI Smart TV (2025)

Samsung 2025 QN90F 98" Neo QLED 4K HDR Smart TV. Display diagonal: 2.49 m (98"), 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 *	2.49 m (98")	Ethernet LAN (RJ-45) ports	1
HD type *	4K Ultra HD	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Display technology *	Neo QLED	Digital audio optical out	1
Screen shape *	Flat	RF ports quantity	1
Motion interpolation technology *	Motion Xcelerator	Common interface (CI) *	✓
Native refresh rate	120 Hz	Common interface Plus (CI+) *	✓
Display refresh rates supported	165 Hz	HDMI ports quantity *	4
Display resolution *	3840 x 2160 pixels	Consumer Electronics Control (CEC)	Anynet+
Anti-glare screen	✓		
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	✓	Power	
Apple AirPlay 2 support	✓	Power consumption (typical) *	152 W
Far-field voice interaction	✓	Power consumption (standby) *	0.5 W
Video apps	Samsung TV Plus	Power consumption (max)	475 W
Audio		Energy efficiency class (SDR) *	E
RMS rated power *	60 W	Energy efficiency class (HDR) *	G
Audio output channels	4.2.2 channels	Energy consumption (SDR) per 1000 hours *	152 kWh
Sound modes	Adaptive Sound Pro, Surround	Energy consumption (HDR) per 1000 hours *	317 kWh
Audio pre-selection descriptor	✓	Energy saving mode	✓
Adaptive sound	✓		

Audio		Technical details	
Q-Symphony	✓	Sound technology	Dolby Atmos, Q-Symphony, OTS+, Surround, 360 Audio, Adaptive Sound Pro, Active Voice Amplifier Pro
Active voice amplifier (AVA)	✓		
Enhanced Audio Return Channel (eARC)	✓	Processor	
Audio system	Dolby Atmos	Weight & dimensions	
Network		Width (with stand)	2185.1 mm
Wi-Fi *	✓	Depth (with stand)	364.9 mm
Bluetooth *	✓	Height (with stand)	1305.9 mm
Bluetooth version	5.3	Weight (with stand)	70.6 kg
Ethernet LAN *	✓	Width (without stand)	2185.1 mm
Design		Depth (without stand)	31.1 mm
Product colour *	Black	Height (without stand)	1249.3 mm
Colour name	Titan Black	Weight (without stand)	61.4 kg
VESA mounting *	✓	Packaging data	
Panel mounting interface	600 x 400 mm	Manual	✓
Introduction year	2025	Package weight	90.7 kg
Bezel type	3 Bezel-less	Package width	2370 mm
Mini wall mount support	✗	Package depth	275 mm
Stand type	Hexagon stand	Package height	1420 mm
Stand colour	Black	Package weight	90.7 kg
Performance		Packaging content	
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+	Cables included	AC
		Remote control included	✓
		Remote control type	TM2360E (UK, Italia add TM1240A)
		Other features	
Game mode	✓	Annual energy consumption	211 kWh
Subtitles function	✓	HDMI	✓
High Dynamic Range (HDR) supported *	✓	Country of origin	Slovakia
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)	Stand	SHARP NECK HEXAGON
		Smart TV applications	DVB-T2CS2 x2
4K Ultra HD upscaling	✓	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*
Auto standby	✓		
SmartThings app support	✓		
Ports & interfaces			
Audio Return Channel (ARC)	✓		



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