

Samsung 85" Neo QLED QN990F 8K Vision AI Smart TV (2025)

Brand : Samsung

Product code: QE85QN990FTXXU

Product name : 85" Neo QLED QN990F 8K Vision AI Smart TV (2025)



- 8K AI Upscaling Pro & NQ8 AI Gen3 Processor: Our most powerful AI processor upscales any content to 8K¹
 - Neo Quantum HDR 8K Pro with Mini LEDs, now Glare Free: See every detail with our brightest whites, deep blacks and cutting contrast - glare free⁵
 - Dolby Atmos® with Object Tracking Sound Pro: Get wrapped up in 12-speaker sound that precisely moves with the action
 - Infinity Air Design with a Wireless One Connect®: Edge-to-edge design and no messy cables for fully immersive viewing
 - AI Motion Enhancer Pro and Motion Xcelerator 240Hz¹¹: AI delivers ultra-smooth motion and virtually no lag or blur for sports and gaming
- 85" Neo QLED QN990F 8K Vision AI Smart TV (2025)



Display		Performance	
Display diagonal *	2.16 m (85")	Multi View	✓
HD type *	8K Ultra HD	TV sound to mobile device	✓
Display technology *	Neo QLED	Smartphone/tablet remote support	✓
LED backlight	✓	USB recording	✓
LED backlighting type	Mini LED	ConnectShare (HDD)	✓
Screen shape *	Flat	ConnectShare (USB)	✓
Native aspect ratio *	16:9		
Motion interpolation technology *	Motion Xcelerator		
Native refresh rate	100 Hz		
Display refresh rates supported	240 Hz		
Dynamic contrast ratio marketing name	Quantum Matrix Technology Pro		
Display resolution *	7680 x 4320 pixels		
Display diagonal (metric)	214 cm		
Anti-glare screen	✓		
TV tuner		Ports & interfaces	
Tuner type *	Analog & digital	Audio Return Channel (ARC)	✓
Digital signal format system *	DVB-C, DVB-S2, DVB-T2	PC in (D-Sub) *	✗
Number of tuners	2 tuner(s)	Ethernet LAN (RJ-45) ports	1
Auto channel search	✓	USB connectivity	✓
Smart TV		USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Smart TV *	✓	USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity	1
Internet TV *	✓	Digital audio optical out	1
Operating system installed *	Tizen	RF ports quantity	2
Apple AirPlay 2 support	✓	Common interface (CI) *	✓
Sound mirroring	✓	Common interface Plus (CI+) *	✓
Hybrid Broadcast Broadband TV (HbbTV)	✓	Common interface Plus (CI+) version	1.4
Hybrid Broadcast Broadband TV (HbbTV) version	2.0.4	HDMI ports quantity *	5
Far-field voice interaction	✓	Consumer Electronics Control (CEC)	Anynet+
TV initiate mirroring	✓	USB connector type	USB Type-A, USB Type-C
Universal guide	✓		
Video apps	Samsung TV Plus		
		Management features	
		Voice guide	✓
		Electronic Programme Guide (EPG)	✓
		On Screen Display (OSD)	✓
		Number of OSD languages	28
		ECO mode	✓
		Auto power off	✓
		Works with Amazon Alexa	✓
		Works with the Google Assistant	✓

Audio		Management features	
RMS rated power *	90 W	Works with Samsung Bixby	✓
Audio output channels	6.2.4 channels	Universal Browse & Play	✓
Audio decoders	Dolby Atmos		
Sound modes	Adaptive Sound Pro		
Audio pre-selection descriptor	✓		
Adaptive sound	✓		
Active voice amplifier (AVA)	✓		
Enhanced Audio Return Channel (eARC)	✓		
Network		Power	
Wi-Fi *	✓	Power consumption (typical) *	169 W
Wi-Fi standards	Wi-Fi 6E (802.11ax)	Power consumption (standby) *	0.5 W
Bluetooth *	✓	Power consumption (max)	415 W
Bluetooth version	5.3	Energy efficiency class (SDR) *	G
Ethernet LAN *	✓	Energy efficiency class (HDR) *	G
Web browser	✓	Energy consumption (SDR) per 1000 hours *	169 kWh
Design		Energy consumption (HDR) per 1000 hours *	450 kWh
Product colour *	Black	AC input voltage	220-240 V
VESA mounting *	✓	AC input frequency	50/60 Hz
Panel mounting interface	600 x 400 mm	Energy saving mode	✓
Frameless design	✓	Energy efficiency scale	A to G
Introduction year	2025		
Stand type	Center stand		
Performance		Brand-specific features	
High Dynamic Range (HDR) technology	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 8K Pro	Samsung technologies (AV/TV)	8K AI Upscaling, AI Auto Game Mode, AI Energy Mode, AI Motion Enhancer Pro, Active Voice Amplifier Pro, Adaptive Sound Pro, Art Store, Auto HDR Remastering, Built-in SmartThings Hub, EyeComfort Mode, Generative Wallpaper, Infinity One Design, Karaoke Mode, Knox Vault, Neo Quantum HDR 8K+, Object Tracking Sound Pro, One Connect Box, Q-Symphony, Quantum Matrix Technology Pro, Samsung Health, Samsung TV Plus, Slim Fit Wall-Mount Compatible, Smart Calibration, Ultra Viewing Angle
Game mode	✓		
Eco sensor	✓		
AI Upscale	✓		
TV key support	✓		
Backlight dimming technology	Ultimate 8K Dimming Pro		
Picture processing technology	Samsung Real Depth Enhancer Pro		
Picture processor	NQ8 AI Gen3		
High Dynamic Range (HDR) supported *	✓		
AMD FreeSync	✓		
AMD FreeSync type	FreeSync Premium Pro	Weight & dimensions	
Game features	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)	Width (with stand)	1877.4 mm
SmartThings app support	✓	Depth (with stand)	304.9 mm
Tap view	✓	Height (with stand)	1145.2 mm
Video upscaling	✓	Weight (with stand)	53.4 kg
		Width (without stand)	1877.4 mm
		Depth (without stand)	13.3 mm
		Height (without stand)	1067.1 mm
		Weight (without stand)	42.7 kg
		Stand width	37 cm
		Stand depth	30.5 cm
		Packaging data	
		Package width	2052 mm
		Package depth	220 mm
		Package height	1254 mm
		Package weight	70.2 kg
		Package type	Box
		Packaging content	
		Desktop stand	✓
		Cables included	AC
		Remote control included	✓
		Remote control type	TM2360E (UK,Italy Add TM1240A)
		Other features	
		One Connect box	✓



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