SAMSUNG

Samsung 85" Neo QLED QN1EF 4K Vision AI Smart TV (2025)

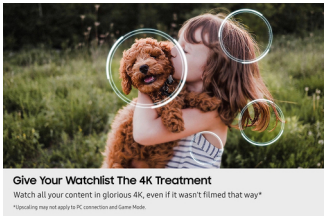**Brand :** Samsung

Product name : 85" Neo QLED QN1EF 4K Vision AI Smart TV (2025)

Product code: QE85QN1EFAUXXU

2025 Neo QLED

- 4K AI Upscaling & NQ4 AI Gen2 Processor: Powerful 4K AI processor optimises picture and sound for superior 4K viewing[1]
- 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 144Hz[7]: AI delivers ultra-smooth motion and virtually no lag or blur for sports and gaming
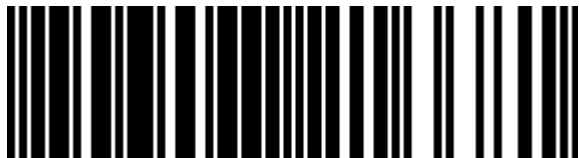85" Neo QLED QN1EF 4K Vision AI Smart TV (2025)
Samsung 85" Neo QLED QN1EF 4K Vision AI Smart TV (2025). Display diagonal: 2.16 m (85"), Display resolution: 3840 x 2160 pixels, HD type: 4K Ultra HD, Display technology: Neo QLED, Screen shape: Flat. Smart TV. Motion interpolation technology: Motion Xcelerator, Native aspect ratio: 16:9. Digital signal format system: DVB-C, DVB-S2, DVB-T2. Wi-Fi, Ethernet LAN. Product colour: Black

Give Your Watchlist The 4K Treatment
Watch all your content in glorious 4K, even if it wasn't filmed that way*
*Upscaling may not apply to PC connection and Game Mode.

Display

Display diagonal *	2.16 m (85")
HD type *	4K Ultra HD
Display technology *	Neo QLED
Screen shape *	Flat
Native aspect ratio *	16:9
Motion interpolation technology *	Motion Xcelerator
Native refresh rate	100 Hz
Display refresh rates supported	144 Hz
Dynamic contrast ratio marketing name	Quantum Matrix Technology
Display resolution *	3840 x 2160 pixels
Display diagonal (metric)	214 cm

TV tuner

Tuner type *	Analog & digital
Digital signal format system *	DVB-C, DVB-S2, DVB-T2
Auto channel search	✔

Smart TV

Smart TV *	✔
Internet TV *	✔
Operating system installed *	Tizen
Apple AirPlay 2 support	✔
Sound mirroring	✔
Hybrid Broadcast Broadband TV (HbbTV)	✔
Hybrid Broadcast Broadband TV (HbbTV) version	2.0.3
TV initiate mirroring	✔
Universal guide	✔
Video apps	Samsung TV Plus

Audio

Number of speakers *	2
RMS rated power *	20 W
Audio pre-selection descriptor	✔

Performance

Tap view	✔
Multi View	✔
TV sound to mobile device	✔
Smartphone/tablet remote support	✔

Ports & interfaces

Audio Return Channel (ARC)	✔
PC in (D-Sub) *	✗
Ethernet LAN (RJ-45) ports	1
USB 2.0 ports quantity *	2
Digital audio optical out	1
RF ports quantity	3
Common interface (CI) *	✔
Common interface Plus (CI+) *	✔
Common interface Plus (CI+) version	1.4
HDMI ports quantity *	4
Consumer Electronics Control (CEC)	Anynet+

Management features

Voice guide	✔
Electronic Programme Guide (EPG)	✔
On Screen Display (OSD)	✔
Number of OSD languages	28
Auto power off	✔
Works with Amazon Alexa	✔
Works with the Google Assistant	✔
Works with Samsung Bixby	✔

Power

Power consumption (typical) *	168 W
Power consumption (standby) *	0.5 W
Power consumption (max)	310 W
Energy efficiency class (SDR) *	G
Energy efficiency class (HDR) *	G

Audio	
Enhanced Audio Return Channel (eARC)	✔

Network	
Wi-Fi *	✔
Wi-Fi standards	Wi-Fi 5 (802.11ac)
Bluetooth *	✔
Bluetooth version	5.3
Ethernet LAN *	✔
Web browser	✔

Design	
Product colour *	Black
VESA mounting *	✔
Panel mounting interface	600 x 400 mm
Introduction year	2025
Bezel type	3 Bezel-less
Stand type	Legs stand

Performance	
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
Game mode	✔
Eco sensor	✔
AI Upscale	✔
TV key support	✔
Backlight dimming technology	Supreme UHD Dimming
Picture processing technology	Samsung Real Depth Enhancer
Picture processor	NQ4 AI Gen2
High Dynamic Range (HDR) supported *	✔
AMD FreeSync	✔
AMD FreeSync type	FreeSync Premium
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)
SmartThings app support	✔

Power	
Energy consumption (SDR) per 1000 hours *	168 kWh
Energy consumption (HDR) per 1000 hours *	296 kWh
AC input voltage	220-240 V
AC input frequency	50/60 Hz
Energy saving mode	✔
Energy efficiency scale	A to G

Brand-specific features	
Samsung technologies (AV/TV)	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

Weight & dimensions	
Width (with stand)	1901.7 mm
Depth (with stand)	365.6 mm
Height (with stand)	1142.3 mm
Weight (with stand)	41.5 kg
Width (without stand)	1901.7 mm
Depth (without stand)	26.9 mm
Height (without stand)	1086.5 mm
Weight (without stand)	40.7 kg
Stand width	142 cm
Stand depth	36.6 cm

Packaging data	
Package width	2059 mm
Package depth	171 mm
Package height	1200 mm
Package weight	53.1 kg

Packaging content	
Desktop stand	✔
Cables included	AC
Remote control included	✔
Remote control type	TM2560E (UK Add TM1240A)

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Catalog Object Cloud