SAMSUNG

Samsung 2025 QN80F 100" 4K NEO QLED HDR Smart TV 2.54 m (100") 4K Ultra HD Wi-Fi Silver

Brand : Samsung

Product name : 2025 QN80F 100" 4K NEO QLED HDR Smart TV

Product code: QE100QN80FUXXU

- 4K AI Upscaling & NQ4 AI Gen2 Processor: Powerful 4K AI processor optimises picture and sound for superior 4K viewing[1]
- 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[9]
100" Neo QLED QN80F 4K Vision AI Smart TV (2025)
Samsung 2025 QN80F 100" 4K NEO QLED HDR Smart TV. Display diagonal: 2.54 m (100"), 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

Display diagonal *	2.54 m (100")
HD type *	4K Ultra HD
Display technology *	Neo QLED
Screen shape *	Flat
Motion interpolation technology *	Motion Xcelerator
Native refresh rate	100 Hz
Display refresh rates supported	144 Hz
Display resolution *	3840 x 2160 pixels

TV tuner

Tuner type *	Analog & digital

Smart TV

Smart TV *	✔
Internet TV *	✔
Operating system installed *	Tizen
Operating system version	Tizen
Screen mirroring	✔
Apple AirPlay 2 support	✔
Far-field voice interaction	✔
Video apps	Samsung TV Plus

Audio

RMS rated power *	30 W
Audio output channels	4.0 channels
Sound modes	Adaptive Sound Pro, Surround
Audio pre-selection descriptor	✔
Adaptive sound	✔
Q-Symphony	✔

Ports & interfaces

USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Digital audio optical out	1
RF ports quantity	1
Common interface (CI) *	✔
Common interface Plus (CI+) *	✔
HDMI ports quantity *	4
Consumer Electronics Control (CEC)	Anynet+

Management features

Voice control	✔
Electronic Programme Guide (EPG)	✔
Auto power off	✔
Works with Amazon Alexa	✔
Works with the Google Assistant	✔
Works with Samsung Bixby	✔

Power

Power consumption (typical) *	175 W
Power consumption (standby) *	0.5 W
Power consumption (max)	430 W
Energy efficiency class (SDR) *	F
Energy efficiency class (HDR) *	G
Energy consumption (SDR) per 1000 hours *	175 kWh
Energy consumption (HDR) per 1000 hours *	447 kWh
Energy saving mode	✔

Audio

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 *	Silver
Colour name	Carbon Silver
VESA mounting *	✔
Panel mounting interface	600 x 400 mm
Introduction year	2025
Bezel type	3 Bezel-less
Mini wall mount support	✘
Stand type	Center stand
Stand colour	Black

Performance

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
Game mode	✔
Subtitles function	✔
High Dynamic Range (HDR) supported *	✔
AMD FreeSync	✔
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)
4K Ultra HD upscaling	✔
Auto standby	✔
SmartThings app support	✔

Ports & interfaces

Audio Return Channel (ARC)	✔
Ethernet LAN (RJ-45) ports	1

Brand-specific features

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

Technical details

Sound technology	Dolby Atmos, Q-Symphony, OTS Lite, 360 Audio, Surround, Active Voice Amplifier Pro
Processor	NQ4 AI Gen2 Processor

Weight & dimensions

Width (with stand)	2229.8 mm
Depth (with stand)	415.4 mm
Height (with stand)	1332.4 mm
Weight (with stand)	60.3 kg
Width (without stand)	2229.8 mm
Depth (without stand)	57.4 mm
Height (without stand)	1273.4 mm
Weight (without stand)	58.9 kg

Packaging data

Manual	✔
Package weight	80.7 kg
Package width	2399 mm
Package depth	230 mm
Package height	1444 mm
Package weight	80.7 kg

Packaging content

Cables included	AC
Remote control included	✔
Remote control type	TM2360E (UK Add TM1240A)
Smart Remote included	✔

Other features

Annual energy consumption	243 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 Enchancer, 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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