Samsung QE75QN90FATXXU TV 190.5 cm (75") 4K Ultra HD Smart TV Wi-Fi Black

Brand : Samsung

Product name : QE75QN90FATXXU
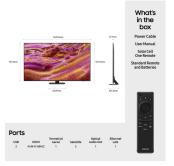
Product code: QE75QN90FATXXU

- 4K AI Upscaling Pro & NQ4 AI Gen3 Processor[1]: Our best 4K AI processor optimises picture and sound for our ultimate 4K viewing
- Neo Quantum HDR+ with Mini LEDs, now Glare Free[5]: See every detail with bright whites, deep blacks and stunning contrast - glare free
- AI Motion Enhancer Pro and Motion Xcelerator 165Hz[12]: 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

75" Neo QLED QN90F 4K Vision AI Smart TV (2025)
Samsung QE75QN90FATXXU. Display diagonal: 190.5 cm (75"), 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

Display diagonal *	190.5 cm (75")
HD type *	4K Ultra HD
Display technology *	Neo QLED
Screen shape *	Flat
Motion interpolation technology *	Motion Xcelerator
Native refresh rate	120 Hz
Display refresh rates supported	165 Hz
Display resolution *	3840 x 2160 pixels
Anti-glare screen	✔

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 *	60 W
Audio output channels	4.2.2 channels
Sound modes	Adaptive Sound Pro, Surround
Audio pre-selection descriptor	✔
Adaptive sound	✔

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) *	101 W
Power consumption (standby) *	0.5 W
Power consumption (max)	315 W
Energy efficiency class (SDR) *	E
Energy efficiency class (HDR) *	G
Energy consumption (SDR) per 1000 hours *	101 kWh
Energy consumption (HDR) per 1000 hours *	253 kWh
Energy saving mode	✔

Audio

Q-Symphony	✔
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	400 x 400 mm
Introduction year	2025
Bezel type	4 Bezel-less
Mini wall mount support	✘
Stand type	Hexagon stand
Stand colour	Black

Performance

High Dynamic Range (HDR) technology	HDR 10+, 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 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

Technical details

Sound technology	Dolby Atmos, Q-Symphony, OTS+, Surround, 360 Audio, Adaptive Sound Pro, Active Voice Amplifier Pro
Processor	NQ4 AI Gen3 Processor

Weight & dimensions

Width (with stand)	1670 mm
Depth (with stand)	301.2 mm
Height (with stand)	1017.2 mm
Weight (with stand)	39.7 kg
Width (without stand)	1670 mm
Depth (without stand)	27.7 mm
Height (without stand)	957.4 mm
Weight (without stand)	34.1 kg

Packaging data

Manual	✔
Package weight	50.2 kg
Package width	1884 mm
Package depth	191 mm
Package height	1118 mm
Package weight	50.2 kg

Packaging content

Cables included	AC
Remote control included	✔
Remote control type	TM2360E (UK, Italia add TM1240A)
Smart Remote included	✔

Other features

Annual energy consumption	140 kWh
Aerial input	DVB-T2CS2 x2
HDMI	✔
Country of origin	Slovakia
Mains power	✔
Stand	SHARP NECK HEXAGON

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*

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