

Specifications

Series	Resolution	Picture Engine
Neo QLED QN90 Series	3,840 x 2,160	Neo Quantum Processor 4K

Contrast
Quantum Matrix Technology

Product	Neo QLED 4K
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Series	Neo QLED QN90 Series
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Display	Screen Size	Diagonal Screen Size
	98"	97.5"
	Resolution	Anti Reflection
	3,840 x 2,160	Yes

Video	Adaptive Picture	Product
	Yes	Neo Quantum Processor 4K

	One Billion Color Yes	HDR (High Dynamic Range) Quantum HDR 32x
	AI Upscale Yes	Compatible with HDR 10+ Certified(HDR10+)
	Contrast Quantum Matrix Technology	Colour 100% Color Volume
	Viewing Angle Wide Viewing Angle	Micro Dimming Ultimate UHD Dimming
	Film Mode Yes	Filmmaker Mode (FMM) Yes

Audio

	Dolby Decoder Yes	Dolby 5.1 Decoder Yes
	Active Voice Amplifier Yes	Object Tracking Sound OTS+
	Q-Symphony Q-Symphony	Sound Output (RMS) 60 W
	Speaker Type 4.2.2 CH	

Smart Service

	Samsung SMART TV Smart	Operating System Tizen™
	Bixby US English, UK English, India English, Korean, French, German, Italian, Spanish, BR Portuguese (features vary by language)	Far-Field Voice Interaction Yes
	Multi Voice Assistant Yes	Google Assistant Built-in Yes

Works with Google Assistant

Yes

Works With Alexa

Yes

TV Plus

Yes

SmartThings

Yes

Samsung Health

Yes

Universal Browse & Play

Yes (US only)

Smart Feature**TV to Mobile - Mirroring**

Yes

TV Initiate Mirroring

Yes

Tap View

Yes

Video Communication

Google Duo

Multi-View

upto 2 videos

Ambient Mode

Ambient Mode+

Wireless Dex

Yes

Cloud Service

Microsoft 365

Game Feature**Auto Game Mode (ALLM)**

Yes

Game Motion Plus

Yes

Dynamic Black EQ

Yes

Surround Sound

Yes

Super Ultra Wide Game View

Yes

Game Bar

Yes

Freesync

FreeSync Premium Pro

Tuner/Broadcasting

	Digital Broadcasting ATSC/ClearQAM	Analog Tuner Yes
Connectivity	HDMI 4	USB 2
	Ethernet (LAN) Yes	Digital Audio Out (Optical) 1
	RF In (Terrestrial / Cable input / Satellite input) 1/1(Common Use for Terrestrial)/0	Ex-Link (RS-232C) 1
	HDMI A / Return Ch. Support Yes	eARC Yes
	HDMI Quick Switch Yes	Wireless LAN Built-in Yes (WiFi5)
	Bluetooth Yes (BT5.2)	
Design	Design NeoSlim	Bezel Type 3 Bezel-less
	Front Colour TITAN BLACK	Stand Type BENDING PLATE
	Stand Colour SAND BLACK	
Additional Feature	IPv6 Support Yes	

**Power & Eco
Solution**

Eco Sensor
Yes

Power Supply
AC 110 - 120 V 50/60 Hz

Power Consumption (Max)
420 W

Power Consumption (Stand-by)
0.5 W

Power Consumption (Typical)
140 W

Dimension

Package Size (WxHxD)
2379 x 1447 x 350 mm

Set Size with Stand (WxHxD)
2185.1 x 1319.0 x 366.9 mm

Set Size without Stand (WxHxD)
2185.1 x 1249.3 x 30.9 mm

Stand (Basic) (WxD)
480 x 366.9 mm

VESA Spec
600 x 400 mm

Weight

Package Weight
99.2 kg

Set Weight with Stand
75.7 kg

Set Weight without Stand
61.4 kg

Accessory

Remote Controller Model
TM2180E

Samsung Smart Control
Yes

Vesa Wall Mount Support
Yes

User Manual
Yes

E-Manual
Yes

Power Cable
Yes

