

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
	43"	42.5"
	Resolution	
	3,840 x 2,160	

Video	Product	Adaptive Picture
	Neo Quantum Processor 4K	Yes

	One Billion Color Yes	HDR (High Dynamic Range) Quantum HDR 24x
	AI Upscale Yes	Compatible with HDR 10+ Certified(HDR10+ Adaptive)
	Contrast Quantum Matrix Technology	Colour 100% Color Volume with Quantum Dot
	Micro Dimming Ultimate UHD Dimming	Film Mode Yes
	Filmmaker Mode (FMM) Yes	
Audio	Dolby Decoder Yes	Active Voice Amplifier Yes
	Object Tracking Sound OTS Lite	Q-Symphony Q-Symphony Lite
	Sound Output (RMS) 20 W	Speaker Type 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

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

Power Supply
AC 110 - 120 V 50/60 Hz

Eco Sensor
Yes

Power Consumption (Max)

125 W

Power Consumption (Stand-by)

0.5 W

Power Consumption (Typical)

58 W

Dimension**Package Size (WxHxD)**

1105 x 687 x 144 mm

Set Size with Stand (WxHxD)

960.8 x 623.4 x 222.6 mm

Set Size without Stand (WxHxD)

960.8 x 559.5 x 26.9 mm

Stand (Basic) (WxD)

465 x 222.6 mm

VESA Spec

200 x 200 mm

Weight**Package Weight**

17.6 kg

Set Weight with Stand

13.8 kg

Set Weight without Stand

9.2 kg

Accessory**Remote Controller Model**

TM2180E

Samsung Smart Control

Yes

Slim Fit Wall-mount support

Yes

Mini Wall Mount Support

Yes

Vesa Wall Mount Support

Yes

User Manual

Yes

E-Manual

Yes

Power CableYes
