

Specifications

	Product	Series	Screen Size
	Neo QLED 4K	9	50"
	Refresh Rate		
	120 Hz		
Product	Neo QLED 4K		
Series	9		
Display	Screen Size	Refresh Rate	
	50"	120 Hz	
	Diagonal Screen Size	Resolution	
	49.5"	3,840 x 2,160	
	Anti Reflection		
	Yes		

Video

	Product Neo Quantum Processor 4K	One Billion Color Yes
	HDR (High Dynamic Range) Quantum HDR 32x/24x* *QN90B 55"- 85": 32x, QN90B 43"- 50": 24x	AI Upscale Yes
	Compatible with HDR 10+ Certified (HDR10+ Adaptive & HDR10+ GAMING)	Contrast Quantum Matrix Technology
	Colour 100% Colour Volume with Quantum Dot	Viewing Angle Wide Viewing Angle
	Micro Dimming Ultimate UHD Dimming Pro	Film Mode Yes
	Motion Technology Motion Xcelerator Turbo Pro	Clear Motion LED Clear Motion
	Noise Reduction Yes	Expert Calibration Yes
	Smart Calibration Basic / Professional	Filmmaker Mode (FMM) Yes

Audio

Dolby Decoder MS12 2 CH	Dolby Atmos Yes
Active Voice Amplifier Yes	Object Tracking Sound OTS Lite
Q-Symphony Yes	Sound Output (RMS) 40 W
Speaker Type 2.2 CH	Woofer Yes

Multiroom Link

Yes

Bluetooth Audio

Yes

Dual Audio Support (Bluetooth)

Yes

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

Media Home

Yes

Smart Feature**TV to Mobile - Mirroring**

Yes

TV Initiate Mirroring

Yes

Tap View

Yes

Video Communication

Google Duo

Multi-View

up to 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**Mini Map Zoom**
Yes**Freesync**
FreeSync Premium Pro**HGiG**
Yes

Tuner/Broadcasting**Digital Broadcasting**
ATSC 3.0**Analog Tuner**
Yes

Connectivity**HDMI**
4**HDMI (High Frame Rate)**
4K 144 Hz (for HDMI 1/2/3/4)**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 (WiFi 5)**Bluetooth**
Yes (BT5.2)

Design

Design
Boldness

Bezel Type
3 Bezel-less

Front Colour
TITAN BLACK

Stand Type
BENDING PLATE

Stand Colour
SAND BLACK

Additional Feature

9:16 Screen Support
Yes (Need Auto Rotating Accessory,
Compatible Model Only)

IPv6 Support
Yes

Accessibility

Accessibility - Voice Guide
US English, Mexico Spanish, Canada
French, Finnish, German, Greek,
Hungarian, Italian, Norwegian, Polish,
Portugal Portuguese, Romanian,
Slovak, Swedish, Czech, Danish,
Dutch, Korean

**Accessibility - Learn TV Remote /
Learn Menu Screen**
US English

Accessibility - Others
Enlarge / High Contrast / Multi-output
Audio / SeeColors / Color Inversion /
Grayscale / Caption Position / Sign
Language Zoom / Slow Button Repeat
/ Separate Closed Caption / Graphic
Zoom / Picture Off

Sign Language Guide
Yes

Auto Caption Position
Yes

Power & Eco Solution

Eco Sensor
Yes

Power Supply
AC 110-120 V 50/60 Hz

Power Consumption (Max)
170 W

Power Consumption (Stand-by)
0.5 W

Power Consumption (Typical)

61 W

Auto Power Off

Yes

Auto Power Saving

Yes

Dimension**Package Size (WxHxD)**

1261 x 771 x 144 mm

Set Size with Stand (WxHxD)

1113.6 x 708.9 x 223.0 mm

Set Size without Stand (WxHxD)

1113.6 x 644.1 x 26.9 mm

Stand (Basic) (WxD)

465.0 x 223.0 mm

VESA Spec

200 x 200 mm

Weight**Package Weight**

22.0 kg

Set Weight with Stand

18.6 kg

Set Weight without Stand

14.0 kg

Accessory**Remote Controller Model**

TM2280E

Samsung Smart Control

Yes

Slim Fit Wall-mount support

Yes

Optional Stand Support (Y20 Studio)

Yes

Mini Wall Mount Support

Yes

Vesa Wall Mount Support

Yes

Auto-Rotation Accessory Support

Yes

Full Motion Slim Wall Mount (Y22)

Yes

User Manual

Yes

Webcam Support

Yes

E-Manual

Yes

Power Cable

Yes
