

Specifications

Diagonal Screen Size	Product	Refresh Rate
64.5"	Neo QLED 8K	144Hz

Display
65"

Product	Neo QLED 8K
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Series	9
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Display	Screen Size	Refresh Rate
	65"	144Hz
	Diagonal Screen Size	Resolution
	64.5"	7,680 x 4,320
	Anti Reflection	
	Yes	

Video

	Product Neural Quantum Processor 8K	One Billion Color Yes
	HDR (High Dynamic Range) Quantum HDR 64x (65' 48x)	AI Upscale Yes
	Compatible with HDR 10+ Certified(HDR10+ Adaptive & HDR10+ GAMING)	Contrast Quantum Matrix Technology Pro
	Colour 100% Colour Volume with Quantum Dot	Viewing Angle Ultra Viewing Angle
	Micro Dimming Ultimate 8K Dimming Pro	Film Mode Yes
	Motion Technology Motion Xcelerator Turbo Pro copy	Clear Motion LED Clear Motion
	Noise Reduction Yes	Expert Calibration Yes
	Smart Calibration Basic/Professional	Filmmaker Mode (FMM) Yes

Audio

Dolby Decoder MS12 5.1ch	Dolby Atmos Yes
Active Voice Amplifier Yes	Object Tracking Sound OTS Pro
Q-Symphony Yes	Sound Output (RMS) 90W
Speaker Type 6.2.4CH	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 4 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

Freesync
FreeSync Premium Pro

Mini Map Zoom
Yes

HGiG
Yes

Tuner/Broadcasting

Digital Broadcasting
(US) QN90B↑ ATSC 3.0, QN85B↓
ATSC/ClearQAM(Canada)
ATSC/ClearQAM

Analog Tuner
Yes

Connectivity

HDMI
4

USB
3

HDMI (High Frame Rate)
4K 144Hz (for HDMI 1/2/3/4)

USB-C (Camera Only)
1

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 3)

HDMI Quick Switch

Yes

Wireless LAN Built-in

Yes (WiFi6)

Bluetooth

Yes (BT5.2)

Design**Design**

Infinity One

Bezel Type

Zero Bezel

Front Colour

STAINLESS STEEL

Stand Type

CONNECTED STAND

Stand Colour

BRIGHT SILVER

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 - OthersEnlarge / 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	Power Supply AC110-120V 50/60Hz	Eco Sensor Yes
	Power Consumption (Max) 370 W	Power Consumption (Stand-by) 0.5 W
	Power Consumption (Typical) 198 W	Auto Power Off Yes
	Auto Power Saving Yes	
Dimension	Package Size (WxHxD) 1625 x 947 x 195 mm	Set Size with Stand (WxHxD) 1433.1 x 893.4 x 298.4 mm
	Set Size without Stand (WxHxD) 1433.1 x 819.9 x 15.2 mm	Stand (Basic) (WxD) 360.0 x 298.4 mm
	VESA Spec 400 x 300 mm	
Weight	Package Weight 41.3 kg	Set Weight with Stand 30.5 kg
	Set Weight without Stand 22.6 kg	
Accessory	Remote Controller Model TM2280E	Samsung Smart Control Yes
	Slim Fit Wall-mount support Yes	Optional Stand Support (Y20 Studio) Yes

15m/10m One Invisible Connection Support
Yes

Mini Wall Mount Support
Yes

Vesa Wall Mount Support
Yes

Auto-Rotation Accessory Support
Yes

User Manual
Yes

Full Motion Slim Wall Mount (Y22)
Yes

Webcam Support
Yes

E-Manual
Yes

Power Cable
Yes

