

Specifications

	Resolution	AI Upscale	Connectivity		
	8K (7,680 x 4,320)	8K AI Upscaling Pro	4		
	Series				
	9				
Product Type	NeoQLED				
Series	9				
Display	Screen Size	Refresh Rate			
	85"	120 Hz(Up to 4K 240 Hz)			
	Diagonal Screen Size	Resolution			
	84.5"	8K (7,680 x 4,320)			
	Anti Reflection				
	Yes				
Video	Picture Engine	HDR (High Dynamic Range)			
	NQ8 AI Gen3 Processor	Neo Quantum HDR 8K Pro			
	HDR 10+	AI Upscale			
	Yes (ADAPTIVE/ GAMING)	8K AI Upscaling Pro			
	Contrast	Viewing Angle			
	Quantum Matrix Technology Pro	Ultra Viewing Angle			
	Micro Dimming	Contrast Enhancer			
	Ultimate 8K Dimming Pro	Real Depth Enhancer Pro			
	Motion Technology	Expert Calibration			
	Motion Xcelerator 240Hz	Yes			

Smart Calibration
Basic/Professional

AI Motion Enhancer
AI Motion Enhancer Pro

HDR Brightness Optimizer
Yes

Filmmaker Mode (FMM)
Yes

Supersize Picture Enhancer
Yes

AI HDR Remastering
Auto HDR Remastering

Audio

Dolby Atmos
Yes

Object Tracking Sound
OTS Pro

Sound Output (RMS)
90 W

Multiroom Link
No

360 Audio
Yes

Adaptive Sound
Adaptive Sound Pro

Q-Symphony
Yes

Speaker Type
6.2.4CH

Active Voice Amplifier Pro
Yes

Smart Service

Operating System
Tizen™ Smart TV

Far-Field Voice Interaction
Yes

Samsung TV Plus
Yes

Works with AI Speaker
Alexa, Google Assistant

Samsung Health
Yes

Bixby
Yes

Built-in Voice Assistant
Alexa

Web Browser
Yes

SmartThings Hub / Matter Hub / IoT-Sensor Funtionality
Yes

Universal Guide
Yes

Smart Feature

Multi Device Experience
TV to Mobile, Mobile to TV, TV initiate mirroring, Sound Mirroring, Wireless TV On, Tap View

Ambient Mode
Ambient Mode+

Multi-View
upto 4 videos

Apple AirPlay
Yes

Daily+
Yes

Game Feature

Auto Game Mode (ALLM)
Yes

Game Motion Plus
Yes

Dynamic Black EQ
Yes

VRR
Yes

Surround Sound
Yes

Super Ultra Wide Game View
Yes

Mini Map Zoom
Yes

FreeSync
FreeSync Premium Pro

Light-sync
Yes (US Only)

HGiG
Yes

Gaming Hub
Yes (KR, US, CA, BR, GB, FR, DE, IT, ES, MX, AU)

Tuner/Broadcasting

Digital Broadcasting
(US) ATSC 3.0 (Canada) ATSC/ClearQAM

Analog Tuner
Yes

Data Broadcasting
(US) ATSC 3.0 Interactive Content

Connectivity

HDMI
4

USB
3 x USB-A, 1 x USB-C

HDMI (High Frame Rate)
8K 60 Hz, 4K 240 Hz (for HDMI 1/2/3/4)

Ethernet (LAN)
1

Digital Audio Out (Optical)
1

RF In (Terrestrial / Cable input / Satellite input)
1/1 (Common Use for Terrestrial)/0

Ex-Link (RS-232C)
1

Wi-Fi
Yes (Wi-Fi 6E)

Bluetooth
Yes (BT5.3)

Anynet+ (HDMI-CEC)
Yes

HDMI Audio Return Channel
eARC

One Connect Box
One Connect (Y24 8K)

Design	Design Infinity Air	Bezel Type Zero Bezel
	Slim Type Ultra Slim	Front Colour GRAPHITE BLACK
	Stand INFINITY AIR STAND	Stand Colour SPACE GRAPHITE

Additional Feature	Embedded POP Yes	EPG Yes
	IP Control Yes	OSD Language English, Spanish, French
	V-Chip 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	Low Vision Support Audio Subtitles (AU,KR,UK,US Only), Relumino, Magnification, Audio Description, Zoom Menu and Text, High Contrast, SeeColors, Color Inversion, Grayscale, Picture Off
	Hearing Impaired Support Closed Caption (Subtitle), Multi-output Audio, Caption Position, Sign Language Zoom, Separate Closed Caption, Sign Language Guide, Auto Caption Position	Motor Impaired Support Slow Button Repeat, Remote Control App. for All

Power & Eco Solution	Eco Sensor Yes	Power Supply AC110-120V~ 50/60Hz
	Power Consumption (Max) 475 W	Power Consumption (Stand-by) 0.5 W
	Power Consumption (Typical) 190 W	Auto Power Off Yes
	Auto Power Saving Yes	

Dimension

Package Size (WxHxD) 2090.0 x 1260.0 x 220.0 mm	Set Size with Stand (WxHxD) 1877.4 x 1145.2 x 304.9 mm
Set Size without Stand (WxHxD) 1877.4 x 1067.1 x 13.3 mm	Stand (Basic) (WxD) 370.0 x 304.9 mm
VESA Spec 600 x 400 mm	

Weight

Package Weight 69.4 kg	Set Weight with Stand 53.4 kg
Set Weight without Stand 42.7 kg	

Accessory

Remote Controller Model TM2360E	Slim Wall Mount Compatible Yes
User Manual Yes	Full Motion Slim Wall Mount Compatible (Y22) Yes
SlimFit Cam Compatible Yes	Zigbee / Thread Module Built-In
Power Cable Yes	