

Specifications

Product Type

NeoQLED

Display

Screen Size	Refresh Rate	Diagonal Screen Size	Resolution
85"	120Hz (Up to 144Hz)	84.5"	4K (3,840 x 2,160)

Video

Picture Engine	HDR (High Dynamic Range)	HDR 10+	AI Upscale
NQ4 AI Gen2 Processor	Neo Quantum HDR +	Yes (ADAPTIVE/ GAMING)	4K AI Upscaling
Contrast	Viewing Angle	Micro Dimming	Contrast Enhancer
Quantum Mini LED Pro	Wide Viewing Angle	Ultimate UHD Dimming	Real Depth Enhancer
Motion Technology	Smart Calibration	Filmmaker Mode (FMM)	Supersize Picture Enh
Motion Xcelerator 144Hz	Basic	Yes	Yes
HDR Brightness Optimizer	AI HDR Remastering		
Yes	Auto HDR Remastering		

Audio

Dolby Atmos	Object Tracking Sound	Q-Symphony	Sound Output (RMS)
Yes	OTS Lite	Yes	40W

Speaker Type

2.2CH

Adaptive Sound

Yes (Adaptive Sound Pro)

360 Audio

Yes

Smart Service

Operating System

Tizen™ Smart TV

Bixby

Yes

Far-Field Voice Interaction

Yes

Built-in Voice Assistant

Alexa

Samsung TV Plus

Yes

Web Browser

Yes

Works with AI Speaker

Alexa, Google Assistant

SmartThings Hub / Matter IoT-Sensor Functional Remote

Yes

Samsung Health

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

Multi-View

upto 2 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

Hue Sync

Yes

HGiG

Yes

Gaming Hub

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

Tuner/Broadcasting

Digital Broadcasting	Analog Tuner
ATSC/Clear QAM	Yes

Connectivity

HDMI	USB	HDMI (High Frame Rate)	Ethernet (LAN)
4	2 x USB-A	4K 144Hz (for HDMI 1/2/3/4)	1
Digital Audio Out (Optical)	RF In (Terrestrial / Cable input / Satellite input)	Ex-Link (RS-232C)	Wi-Fi
1	1/1(Common Use for Terrestrial)/0	1	Yes (Wi-Fi 6E)
Bluetooth	Anynet+ (HDMI-CEC)	HDMI Audio Return Channel	
Yes(5.3)	Yes	eARC	

Design

Design	Bezel Type	Front Colour	Stand
Simple Chamfer	3 Bezel-less	TITAN BLACK	METAL AERO CENTER
Stand Colour			
TITAN BLACK			

Additional Feature

Embeded POP	EPG	IP Control	OSD Language
Yes	Yes	Yes	English, Spanish, Frenc

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, Relumino, Magnification, Audio Description, Zoom Menu and Text, High Contrast, SeeColors, Color Inversion, Grayscale, Auto 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)

325 W

Power Consumption (Typical)

0.5 W

Power Consumption (Typical)

200 W

Auto Power Off

Yes

Auto Power Saving

Yes

Dimension

Package Size (WxHxD)

2056 x 1200 x 178 mm

Set Size with Stand (WxHxD)

1892.4 x 1137.4 x 366.5 mm

Set Size without Stand (WxHxD)

1892.4 x 1082.9 x 47.0 mm

Stand (Basic) (WxD)

375.4 x 366.5 mm

VESA Spec

600 x 400 mm

Weight

Package Weight
54.2 kg

Set Weight with Stand
43.6 kg

Set Weight without Stand
41.6 kg

Accessory

Remote Controller Model
TM2560E(US), TM2360E(CA)

Slim Wall Mount Compatible
Yes

User Manual
Yes

**Full Motion Slim Wall I
Compatible (Y22)**
Yes

SlimFit Cam Compatible
Yes

Zigbee / Thread Module
Built-In

Power Cable
Yes