

Specifications

Overview

Product Type	Resolution	Connectivity	Video
NeoQLED	4K (3,840 x 2,160)	4	NQ4 AI Gen3 Processor

Product Type

NeoQLED

Display

Screen Size	Refresh Rate	Diagonal Screen Size	Resolution
50"	120Hz (Up to 165Hz)	49.5"	4K (3,840 x 2,160)
Anti Reflection			
Glare Free			

Video

Picture Engine	HDR (High Dynamic Range)	HDR 10+	AI Upscale
NQ4 AI Gen3 Processor	Neo Quantum HDR	Yes (ADAPTIVE/ GAMING)	4K AI Upscaling Pro
Contrast	Viewing Angle	Micro Dimming	Contrast Enhancer
Quantum Matrix Technology Plus	Wide Viewing Angle	Ultimate UHD Dimming	Real Depth Enhancer P
Motion Technology	Expert Calibration	Smart Calibration	Filmmaker Mode (FMN)
Motion Xcelerator 165Hz	Yes	Basic/Professional	Yes

AI Motion Enhancer

AI Motion Enhancer Pro

HDR Brightness Optimizer

Yes

AI HDR Remastering

Auto HDR Remastering pro

Audio**Dolby Atmos**

Yes

Object Tracking Sound

OTS Lite

Q-Symphony

Yes

Sound Output (RMS)

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 Assistar

Alexa

Samsung TV Plus

Yes

Web Browser

Yes

Works with AI Speaker

Alexa, Google Assistant

**SmartThings Hub / Ma
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

Tuner/Broadcasting

Digital Broadcasting

ATSC/ClearQAM

Analog Tuner

Yes

Connectivity

HDMI

4

USB

2 x USB-A

HDMI (High Frame Rate)

4K 165Hz (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 5)

Bluetooth

Yes(5.3)

Anynet+ (HDMI-CEC)

Yes

HDMI Audio Return Channel

eARC

Design

Design	Bezel Type	Front Colour	Stand
NeoSlim	3 Bezel-less	Titan Black	Sharp Neck Hexagon
Stand Colour			
Titan Black			

Additional Feature

Embedded POP	EPG	IP Control	OSD Language
Yes	Yes	Yes	English, Spanish, French
V-Chip			
Yes			

Accessibility

Accessibility - Voice Guide	Low Vision Support	Hearing Impaired Support	Motor Impaired Support
US English, Mexico Spanish, Canada French, Finnish, German, Greek, Hungarian, Italian, Norwegian, Polish, Portugal Portuguese, Romanian, Slovak, Swedish, Czech, Danish, Dutch, Korean	Audio Subtitles, Relumino, Magnification, Audio Description, Zoom Menu and Text, High Contrast, SeeColours, Colour Inversion, Grayscale, Auto Picture Off	Closed Caption (Subtitle), Multi-output Audio, Caption Position, Sign Language Zoom, Separate Closed Caption, Sign Language Guide, Auto Caption Position	Slow Button Repeat, Remote Control App. for All

Power & Eco Solution

Eco Sensor	Power Supply	Power Consumption (Max)	Power Consumption (Typical)
Yes	AC110-120V~ 50/60Hz	145 W	0.5 W
Power Consumption (Typical)	Auto Power Off	Auto Power Saving	
85 W	Yes	Yes	

Dimension

Package Size (WxHxD)	Set Size with Stand (WxHxD)	Set Size without Stand (WxHxD)	Stand (Basic) (WxD)
1317 x 767 x 140 mm	1113.6 x 705.4 x 220.0 mm	1113.6 x 644.1 x 26.9 mm	519.0 x 220.0 mm
VESA Spec			
200 x 200 mm			

Weight

Package Weight	Set Weight with Stand	Set Weight without Stand
21.5 kg	17.6 kg	13.5 kg

Accessory

Remote Controller Model	Slim Wall Mount Compatible	Optional Stand Compatible (Studio)	Mini Wall Mount Comp
TM2360E	Yes (sold seperately)	Yes (sold seperately)	Yes (sold seperately)
Auto-Rotation Accessory Compatible	User Manual	Full Motion Slim Wall Mount Compatible (Y22)	SlimFit Cam Compatib
Yes (sold seperately)	Yes	Yes (sold seperately)	Yes (sold seperately)
Zigbee / Thread Module	Power Cable		
Built-In	Yes		