

Specifications

Overview

Product Type	Diagonal Screen Size	Refresh Rate	Display
NeoQLED	49.5"	60Hz	50"

Product Type

NeoQLED

Display

Screen Size	Refresh Rate	Diagonal Screen Size	Resolution
50"	60Hz	49.5"	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)	4K AI Upscaling
Contrast	Micro Dimming	Contrast Enhancer	Motion Technology
Quantum Matrix Technology Core	Supreme UHD Dimming	Real Depth Enhancer	Motion Xcelerator
Smart Calibration	Filmmaker Mode (FMM)	HDR Brightness Optimizer	AI HDR Remastering
Basic	Yes	Yes	Auto HDR Remastering

Audio

Dolby Atmos

Yes

Object Tracking Sound

OTS Lite

Q-Symphony

Yes

Sound Output (RMS)

30W

Speaker Type

4CH

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)

Game Motion Plus

Dynamic Black EQ

VRR

Yes	Yes	Yes	Yes
Surround Sound	Super Ultra Wide Game View	Mini Map Zoom	Hue Sync
Yes	Yes	Yes	Yes
HGiG	Gaming Hub		
Yes	Yes		

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 60Hz (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 5)
Bluetooth	Anynet+ (HDMI-CEC)	HDMI Audio Return Channel	
Yes (BT5.3)	Yes	eARC	

Design

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

Additional Feature

Embeded POP

Yes

EPG

Yes

IP Control

Yes

OSD Language

English, Spanish, Frenc

V-Chip

Yes

Accessibility

Accessibillity - Voice Guide

Czech (Czech Republic),Danish (Denmark),Dutch (Netherlands),English (US),Finnish (Finland),French (Canada),German (Germany),Greek (Greece),Hungarian (Hungary),Italian (Italy),Korean (Korea),Norwegian (Norway),Polish (Poland).Portuguese (Portugal),Romanian (Romania),Slovak (Slovakia),Spanish (Mexico),Swedish (Sweden)

Low Vision Support

Audio Subtitles, Relumino, Magnification, Audio Description, Zoom Menu and Text, High Contrast, SeeColours, Colour 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

Motor Impaired Suppo

Slow Button Repeat, Re Control App. for All

Power & Eco Solution

Eco Sensor

Yes

Power Supply

AC110-120V~ 50/60Hz

Power Consumption (Max)

185 W

Power Consumption (Idle)

0.5 W

Power Consumption (Typical)

147 W

Auto Power Off

Yes

Auto Power Saving

Yes

Dimension

Package Size (WxHxD)	Set Size with Stand (WxHxD)	Set Size without Stand (WxHxD)	Stand (Basic) (WxD)
1241 x 744 x 142 mm	1114.2 x 699.3 x 238.6 mm	1114.2 x 643.6 x 47.8 mm	967.2 x 238.6 mm
VESA Spec			
200 x 200 mm			

Weight

Package Weight	Set Weight with Stand	Set Weight without Stand
17.6 kg	13.3 kg	12.9 kg

Accessory

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