

Specifications

Overview

Product Type	Resolution	Connectivity	FreeSync
NeoQLED	4K (3,840 x 2,160)	5	FreeSync Premium Pro

Product Type

NeoQLED

Display

Screen Size	Refresh Rate	Diagonal Screen Size	Resolution
65"	120Hz (Up to 144Hz)	64.5"	4K (3,840 x 2,160)
Anti Reflection			
Matte Display			

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 Slim	Wide Viewing Angle	Supreme UHD Dimming	Real Depth Enhancer
Motion Technology	Smart Calibration	AI Motion Enhancer	HDR Brightness Optim
Motion Xcelerator 144Hz	Basic/Professional	AI Motion Enhancer Pro	Yes

Filmmaker Mode (FMM)

Yes

AI HDR Remastering

Auto HDR Remastering pro

Audio**Adaptive Sound**

Yes (Adaptive Sound Pro)

Object Tracking Sound

OTS

Q-Symphony

Yes (Q-Symphony Pro)

Sound Output (RMS)

40W

Speaker Type

2.0.2CH

Active Voice Amplifier Pro

Yes

Dolby Atmos

Yes

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

Ambient Mode

Yes (In Art Mode)

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

HGiG

Yes

Hue Sync

Yes

Gaming Hub

Yes

Tuner/Broadcasting

Digital Broadcasting

ATSC/ClearQAM

Analog Tuner

Yes

Connectivity

HDMI

5

USB

2 x USB-A, 1 x USB-C

HDMI (High Frame Rate)

4K 144Hz (for HDMI 1/2/3/4/5)

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

One Connect Box

Wireless One Connect (Model

Design

Design

Frame Design

Bezel Type

VNB

Front Colour

Black

Stand

Round Feet

Stand Colour

Black

Additional Feature

Art Mode (The Frame)

Yes

Motion Detection (Frame)

Yes

EPG

Yes

IP Control

Yes

OSD Language

English, Spanish, French

V-Chip

Yes

Accessibility

Accessability - 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, 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 Suppo

Slow Button Repeat, Re Control App. for All

Power & Eco Solution

Eco Sensor Yes	Power Supply AC110-120V~ 50/60Hz	Power Consumption (Max) 195 W	Power Consumption (Idle) 0.5 W
Power Consumption (Typical) 180 W	Auto Power Off Yes	Auto Power Saving Yes	

Dimension

Package Size (WxHxD) 1598 x 933 x 164 mm	Set Size with Stand (WxHxD) 1456.7 x 866.5 x 256.8 mm	Set Size without Stand (WxHxD) 1456.7 x 836.9 x 24.9 mm	Stand (Basic) (WxD) 1041.6 x 256.8 mm
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VESA Spec 400 x 300 mm

Weight

Package Weight 32.3 kg	Set Weight with Stand 22.0 kg	Set Weight without Stand 21.8 kg
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Accessory

Remote Controller Model TM2561E	Slim Wall Mount Compatible Included	Optional Stand Compatible (Studio) Yes (sold seperately)	Customizable Bezel Color Yes
User Manual Yes	Full Motion Slim Wall Mount Compatible (Y22) Yes (sold seperately)	Power Cable Yes	SlimFit Cam Compatible Yes (sold seperately)

Zigbee / Thread Module

Built-In