

Specifications

Overview

Product Type	Resolution	Connectivity	Video
NeoQLED	8K (7,680 x 4,320)	5	NQ8 AI Gen3 Processor

Product Type

NeoQLED

Display

Screen Size	Refresh Rate	Diagonal Screen Size	Resolution
85"	120Hz(Up to 4K 240Hz)	84.5"	8K (7,680 x 4,320)
Anti Reflection			
Glare Free			

Video

Picture Engine	HDR (High Dynamic Range)	HDR 10+	AI Upscale
NQ8 AI Gen3 Processor	Neo Quantum HDR 8K Pro	Yes (ADAPTIVE/ GAMING)	8K AI Upscaling Pro
Contrast	Viewing Angle	Micro Dimming	Contrast Enhancer
Quantum Matrix Technology Pro	Ultra Viewing Angle	Ultimate8K Dimming Pro	Real Depth Enhancer P
Motion Technology	Expert Calibration	Smart Calibration	Filmmaker Mode (FMN)
Motion Xcelerator 240Hz	Yes	Basic/Professional	Yes

AI Motion Enhancer

AI Motion Enhancer Pro

Supersize Picture Enhancer

Yes

HDR Brightness Optimizer

Yes

AI HDR Remastering

Auto HDR Remastering

Audio**Dolby Atmos**

Yes

Object Tracking Sound

OTS Pro

Q-Symphony

Yes

Sound Output (RMS)

90W

Speaker Type

6.2.4CH

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 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 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

Hue Sync

Yes

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

5

USB

3 x USB-A, 1 x USB-C

HDMI (High Frame Rate)

8K 120Hz, 4K 240Hz (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 6E)

Bluetooth

Yes(5.3)

Anynet+ (HDMI-CEC)

Yes

HDMI Audio Return Channel

eARC

One Connect Box

Wireless One Connect (

Design

Design

Infinity Air

Bezel Type

Zero Bezel

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

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, 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)

415 W

Power Consumption (Idle)

0.5 W

Power Consumption (Typical)

362 W

Auto Power Off

Yes

Auto Power Saving

Yes

Dimension

Package Size (WxHxD)

2052.0 x 1254.0 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

70.2 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 (sold seperately)

User Manual

Yes

Full Motion Slim Wall Mount Compatible (Y22)

Yes (sold seperately)

SlimFit Cam Compatible

Yes (sold seperately)

Zigbee / Thread Module

Built-In

Power Cable

Yes