

# 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         |
|-----------------|---------------------|----------------------|--------------------|
| 85"             | 120Hz (Up to 165Hz) | 84.5"                | 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

**Supersize Picture Enhancer**  
Yes

**HDR Brightness Optimizer**  
Yes

**AI HDR Remastering**  
Auto HDR Remastering

## Audio

**Dolby Atmos**  
Yes

**Object Tracking Sound**  
OTS+

**Q-Symphony**  
Yes

**Sound Output (RMS)**  
60W

**Speaker Type**  
4.2.2CH

**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

|                     |                   |                     |                    |
|---------------------|-------------------|---------------------|--------------------|
| <b>Design</b>       | <b>Bezel Type</b> | <b>Front Colour</b> | <b>Stand</b>       |
| NeoSlim             | 4 Bezel-less      | Titan Black         | Sharp Neck Hexagon |
| <b>Stand Colour</b> |                   |                     |                    |
| Titan Black         |                   |                     |                    |

## Additional Feature

|                     |            |                   |                          |
|---------------------|------------|-------------------|--------------------------|
| <b>Embedded POP</b> | <b>EPG</b> | <b>IP Control</b> | <b>OSD Language</b>      |
| Yes                 | Yes        | Yes               | English, Spanish, French |
| <b>V-Chip</b>       |            |                   |                          |
| Yes                 |            |                   |                          |

## Accessibility

|                                                                                                                                                                                        |                                                                                                                                                           |                                                                                                                                                          |                                                 |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|
| <b>Accessibility - Voice Guide</b>                                                                                                                                                     | <b>Low Vision Support</b>                                                                                                                                 | <b>Hearing Impaired Support</b>                                                                                                                          | <b>Motor Impaired Support</b>                   |
| 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

|                                    |                       |                                |                                    |
|------------------------------------|-----------------------|--------------------------------|------------------------------------|
| <b>Eco Sensor</b>                  | <b>Power Supply</b>   | <b>Power Consumption (Max)</b> | <b>Power Consumption (Typical)</b> |
| Yes                                | AC110-120V~ 50/60Hz   | 385 W                          | 0.5 W                              |
| <b>Power Consumption (Typical)</b> | <b>Auto Power Off</b> | <b>Auto Power Saving</b>       |                                    |
| 207 W                              | Yes                   | Yes                            |                                    |

## Dimension

### Package Size (WxHxD)

2141 x 1245 x 230 mm

### Set Size with Stand (WxHxD)

1892.2 x 1143.0 x 321.3 mm

### Set Size without Stand (WxHxD)

1892.2 x 1081.9 x 27.9 mm

### Stand (Basic) (WxD)

417.6 x 321.3 mm

### VESA Spec

600 x 400 mm

## Weight

### Package Weight

63.3 kg

### Set Weight with Stand

49.9 kg

### Set Weight without Stand

43.5 kg

## Accessory

### Remote Controller Model

TM2360E

### Slim Wall Mount Compatible

Yes (sold seperately)

### User Manual

Yes

### Full Motion Slim Wall I Compatible (Y22)

Yes (sold seperately)

### SlimFit Cam Compatible

Yes (sold seperately)

### Zigbee / Thread Module

Built-In

### Power Cable

Yes