

Product Type

Neo QLED

Display

Screen Size	Refresh Rate	Resolution
50"	60 Hz	3840 x 2160

Video

Picture Engine	AI Picture	HDR (High Dynamic Range)	HDR 10+
NQ4 AI Processor	AI Customization	NQ HDR	Yes (Adaptive)
AI Upscale	Contrast	Viewing Angle	Micro Dimming
4K Upscaling	Quantum Mini LED	Wide Viewing Angle	Supreme Mini LED Dimming
Contrast Enhancer	Motion Technology	Smart Calibration	Filmmaker Mode (FMM)
Contrast Enhancer	Motion Xcelerator	Basic	Yes
HDR Brightness Optimizer	Colour Booster	EyeComfort Mode	
Yes	Colour Booster Pro	Yes	

Audio

Dolby 5.1 Decoder	Object Tracking Sound	Q-Symphony	Sound Output (RMS)
MS12 2ch	OTS Lite	Yes	20 W
Speaker Type	Active Voice Amplifier	Adaptive Sound	AI Sound Controller
2ch	Active Voice Amplifier	Adaptive Sound+	AI Sound Controller

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 Hub / IoT-Sensor Functionality / Quick Remote

Yes

Samsung Health

Yes

Universal Guide

Yes

Smart Feature

Multi Device Experience

Mobile to TV, TV initiate mirroring,
Sound Mirroring, Wireless TV On

Multi-View

up to 2 Videos

Apple AirPlay

Yes

Storage Share

Yes

Now brief

Voice / User Detection

Live Translate

Yes

Generative Wallpaper

Yes

Karaoke Mic

Yes

Google Cast

Yes

Vision AI Companion

Yes

Soccer Mode

AI Soccer / Football Mode

Game Feature

Auto Game Mode (ALLM)

Yes

Game Motion Plus

Yes

Dynamic Black EQ

Yes

Surround Sound

Yes

Super Ultra Wide Game View

Yes

Game Bar

Yes

Mini Map Zoom

Yes

Hue Sync

Yes

HGiG

Yes

Gaming Hub

Yes

AI Auto Game Mode

Yes

AI Gaming Optimizer

Yes

Tuner/Broadcasting

Digital Broadcasting

ATSC / ClearQAM

Analog Tuner

Yes

Connectivity

HDMI

3

USB

2 x USB-A

HDMI (High Frame Rate)

4K 60 Hz (for HDMI 1/2/3)

Ethernet (LAN)

1

Digital Audio Out (Optical)

1

RF In (Terrestrial / Cable input / Satellite input)

1 / 1(Common Use for Terrestrial) / 0

Wi-Fi

Yes (Wi-Fi 5)

Bluetooth

Yes (5.3)

Anynet+ (HDMI-CEC)

Yes

HDMI Audio Return Channel

eARC

Design

Design

Air Slim

Bezel Type

3 Bezel-less

Front Colour

Black

Stand

Aero Linear

Stand Colour

Titan Gray

Additional Feature

Art Store

Yes

Embeded 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)

Audio Description

Yes

High Contrast

Yes

Zoom Menu and Text

Yes

SeeColours

Yes

Colours Inversion

Yes

Grayscale

Yes

Auto Picture Off

Yes

Closed Caption (Subtitle)

Yes

Multi-output Audio

Yes

Sign Language Zoom

Yes

Caption Position

Yes

Separate Closed Caption

Yes

Slow Button Repeat

Yes

Accessibility Remote

Yes

Learn TV Remote

Yes

Learn Menu Screen

Yes

Accessibility Shortcuts Edit

Yes

Auto Menu Sort

Yes

Power & Eco Solution

Eco Sensor

Yes

Power Supply

AC110-120V~ 50/60 Hz

Power Consumption (Max)

115 W

Power Consumption (Stand-by)

0.5 W

Power Consumption (Typical)

96 W

Auto Power Off

Yes

Auto Power Saving

Yes

Dimension

Package Size (WxHxD)

1241 x 744 x 125 mm
48.86 x 29.29 x 4.92 inches

Set Size with Stand (WxHxD)

1118.3 x 701.5 x 238.6 mm
44.03 x 27.62 x 9.39 inches

Set Size without Stand (WxHxD)

1118.3 x 644.1 x 25.7 mm
44.03 x 25.36 x 1.01 inches

Stand (Basic) (WxD)

760.4 x 238.6 mm
29.94 x 9.39 inches

VESA Spec

200 x 200 mm
7.87 x 7.87 inches

Weight

Package Weight
14.5 kg

Set Weight with Stand
11.5 kg

Set Weight without Stand
11.1 kg

Accessory

Slim Wall Mount Compatible
Yes

Optional Stand Compatible
(Studio)
Yes

User Manual
Yes

Full Motion Slim Wall Mount
Compatible (Y22)
Yes

SlimFit Cam Compatible
Yes

Zigbee / Thread Module
Dongle Support

Power Cable
Yes