

Specifications

Product Type

Neo QLED

Display

Screen Size

85"

Refresh Rate

120 Hz / 4K 240 Hz (VRR Support)

Resolution

7680 x 4320

DLG

240 Hz

Anti Reflection

Glare Free

Video

Picture Engine

NQ8 AI Gen3 Processor

AI Picture

AI Optimized / AI Customization

HDR (High Dynamic Range)

Neo Quantum HDR 8K Pro

HDR 10+

Yes (Adaptive / Gaming / Advanced)

AI Upscale

8K AI Upscaling Pro

Contrast

Quantum Mini LED Pro

Viewing Angle

Ultra Viewing Angle

Micro Dimming

Ultimate 8K Dimming Pro

Contrast Enhancer

Real Depth Enhancer Pro

Motion Technology

Motion Xcelerator 240 Hz

Smart Calibration

Basic / Professional

Filmmaker Mode (FMM)

Yes

AI Motion Enhancer

AI Motion Enhancer Pro

Supersize Picture Enhancer

Yes

HDR Brightness Optimizer

Yes

Colour Booster

Colour Booster Pro

AI HDR Remastering

Auto HDR Remastering Pro

EyeComfort Mode

Yes

Audio

Dolby Atmos Yes	Dolby 5.1 Decoder MS12 5.1ch	Object Tracking Sound OTS Pro	Q-Symphony Yes
Sound Output (RMS) 90 W	Speaker Type 6.2.4ch	Active Voice Amplifier Active Voice Amplifier Pro	Adaptive Sound Adaptive Sound Pro
360 Audio Yes	AI Sound Controller AI Sound Controller Pro		

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 Functionality 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 4 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 Pro	

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

Game Bar

Yes

Mini Map Zoom

Yes

FreeSync

FreeSync Premium Pro

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

5

USB

3 x USB-A, 1 x USB-C

HDMI (High Frame Rate)

8K 120 Hz, 4K 240 Hz (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 (ㄴ)

Design

Design

Infinity Air

Bezel Type

Zero Bezel

Front Colour

Graphite Black

Stand

Infinity Air Stand

Stand Colour

Space Graphite

Additional Feature

Art Store

Yes

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)

Audio Description

Yes

High Contrast

Yes

Zoom Menu and Text

Yes

SeeColours

Yes

Colours Inversion

Yes

Grayscale

Yes

Auto Picture Off

Yes

Magnification

Yes

Relumino

Yes

Audio Subtitles

Yes

Audio Phone Number

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) 415 W	Power Consumption (S) 0.5 W
Power Consumption (Typical) 362 W	Auto Power Off Yes	Auto Power Saving Yes	

Dimension

Package Size (WxHxD) 2052 x 1254 x 220 mm 80.79 x 49.37 x 8.66 inch	Set Size with Stand (WxHxD) 1877.4 x 1145.2 x 304.9 mm 73.91 x 45.09 x 12.00 inch	Set Size without Stand (WxHxD) 1877.4 x 1072.1 x 13.3 mm 73.91 x 42.21 x 0.52 inch	Stand (Basic) (WxD) 370.0 x 304.9 mm 14.57 x 12.00 inch
VESA Spec 600 x 400 mm 23.62 x 15.75 inch			

Weight

Package Weight 70.2 kg	Set Weight with Stand 53.4 kg	Set Weight without Stand 42.7 kg
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Accessory

Slim Wall Mount Compatible Yes	User Manual Yes	Full Motion Slim Wall Mount Compatible (Y22) Yes	SlimFit Cam Compatibl Yes
Zigbee / Thread Module Built-in	Power Cable Yes		