

Product Type

NeoQLED

Display

Screen Size

55"

Refresh Rate

144 Hz (VRR Support)

Resolution

3840 x 2160

Video

Picture Engine

NQ4 AI Gen2 Processor

AI Picture

AI Optimized/AI Customization

HDR (High Dynamic Range)

NQ HDR+

HDR 10+

Yes (ADAPTIVE / GAMING /
ADVANCED)

AI Upscale

4K AI Upscaling

Contrast

Quantum Mini LED

Viewing Angle

Wide Viewing Angle

Micro Dimming

Supreme Mini LED Dimming

Contrast Enhancer

Real Depth Enhancer

Motion Technology

Motion Xcelerator 144 Hz

Smart Calibration

Basic

Filmmaker Mode (FMM)

Yes

HDR Brightness Optimizer

Yes

Colour Booster

Colour Booster Pro

AI HDR Remastering

Auto HDR Remastering

EyeComfort Mode

Yes

Audio

Dolby Atmos

Yes

Object Tracking Sound

OTS Lite

Q-Symphony

Yes

Sound Output (RMS)

30W

Speaker Type

2CH

Active Voice Amplifier

Active Voice Amplifier Pro

Adaptive Sound

Adaptive Sound Pro

360 Audio

Yes

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

upto 2 videos

Apple AirPlay

Yes

Daily+

Yes

Storage Share

Yes

Live Translate

Yes

Generative Wallpaper

Yes

Karaoke Mic

Yes

Google Cast

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

Game Bar

Yes

Mini Map Zoom

Yes

FreeSync

FreeSync Premium Pro

Hue Sync

Yes

HGiG

Yes

Gaming Hub

Yes

AI Auto Game Mode

Yes

Tuner/Broadcasting

Digital Broadcasting

ATSC/Clear QAM

Analog Tuner

Yes

Connectivity

HDMI

4

USB

2 x USB-A

HDMI (High Frame Rate)

4K 144 Hz (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 6E)

Bluetooth

Yes (5.3)

Anynet+ (HDMI-CEC)

Yes

HDMI Audio Return Channel

eARC

Design

Design

Monolith Edge

Bezel Type

3 Bezel-less

Front Colour

TITAN BLACK

Stand

ROUND FEET

Stand Colour

BLACK

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)

Power & Eco Solution

Eco Sensor

Yes

Power Supply

AC110-120V~ 50/60Hz

Power Consumption (Max)

185 W

Power Consumption (Stand-by)

0.5 W

Power Consumption (Typical)

123 W

Auto Power Off

Yes

Auto Power Saving

Yes

Dimension

Package Size (WxHxD)

1352 x 808 x 127 mm
53.23 x 31.81 x 5.00 inch

Set Size with Stand (WxHxD)

1224 x 744 x 218 mm
48.19 x 29.29 x 8.58 inch

Set Size without Stand (WxHxD)

1224 x 708 x 52 mm
48.19 x 27.87 x 2.05 inch

Stand (Basic) (WxD)

1034.6 x 218 mm
40.73 x 8.58 inch

Stand (Minimum) (WxD)

250 x 218 mm
9.84 x 8.58 inch

VESA Spec

300 x 200 mm
11.81 x 7.87 inch

Weight

Package Weight

Set Weight with Stand

Set Weight without Stand

18.1 kg

13.5 kg

13.2 kg

Accessory

Remote Controller Model

TM2280A

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