

Product Type

NeoQLED

Display

Screen Size

85"

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

Supersize Picture Enhancer

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	Hue Sync	HGiG	Gaming Hub

FreeSync Premium Pro

Yes

Yes

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

Embedded POP

Yes

EPG

Yes

IP Control

Yes

OSD Language

V-Chip

English, Spanish, French

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)

340 W

Power Consumption (Stand-by)

0.5 W

Power Consumption (Typical)

237 W

Auto Power Off

Yes

Auto Power Saving

Yes

Dimension

Package Size (WxHxD)

2060 x 1200 x 178 mm
81.10 x 47.24 x 7.01 inch

Set Size with Stand (WxHxD)

1888.8 x 1123 x 369 mm
74.36 x 44.21 x 14.53 inch

Set Size without Stand (WxHxD)

1888.8 x 1083.2 x 52.5 mm
74.36 x 42.65 x 2.07 inch

Stand (Basic) (WxD)

1625.2 x 369 mm
63.98 x 14.53 inch

Stand (Minimum) (WxD)

14.20 x 14.53 inch

VESA Spec

23.62 x 15.75 inch

Weight

Package Weight
46.3 kg

Set Weight with Stand
32.8 kg

Set Weight without Stand
32.1 kg

Accessory

Remote Controller Model
TM2280A

Slim Wall Mount Compatible
Yes

User Manual
Yes

**Full Motion Slim Wall Mount
Compatible (Y22)**
Yes

SlimFit Cam Compatible
Yes

Zigbee / Thread Module
Dongle Support

Power Cable
Yes