

Specifications

Overview

Product Type	Diagonal Screen Size	Refresh Rate	Display
NeoQLED	64.5"	120Hz (Up to 144Hz)	65"

Product Type

NeoQLED

Display

Screen Size	Refresh Rate	Diagonal Screen Size	Resolution
65"	120Hz (Up to 144Hz)	64.5"	4K (3,840 x 2,160)

Video

Picture Engine NQ4 AI Gen2 Processor	HDR (High Dynamic Range) Neo Quantum HDR	HDR 10+ Yes (ADAPTIVE/ GAMING)	AI Upscale 4K AI Upscaling
Contrast Quantum Matrix Technology Core	Viewing Angle Wide Viewing Angle	Micro Dimming Supreme UHD Dimming	Contrast Enhancer Real Depth Enhancer
Motion Technology Motion Xcelerator 144Hz	Smart Calibration Basic	Filmmaker Mode (FMM) Yes	HDR Brightness Optim Yes
AI HDR Remastering Auto HDR Remastering			

Audio

Dolby Atmos Yes	Object Tracking Sound OTS Lite	Q-Symphony Yes	Sound Output (RMS) 30W
Speaker Type 4CH	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	Multi-View	Apple AirPlay	Daily+
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TV to Mobile, Mobile to TV, TV
initiate mirroring, Sound Mirroring,
Wireless TV On, Tap View

upto 2 videos

Yes

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/Clear QAM

Analog Tuner

Yes

Connectivity

HDMI

4

USB

2 x USB-A

HDMI (High Frame Rate)

4K 144Hz (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 (BT5.3)

Anynet+ (HDMI-CEC)

Yes

HDMI Audio Return Channel

eARC

Design

Design

Simple Chamfer

Bezel Type

3 Bezel-less

Front Colour

TITAN BLACK

Stand

AERO CENTER

Stand Colour

BLACK

Additional Feature

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)

Low Vision Support

Audio Subtitles, Relumino, Magnification, Audio Description, Zoom Menu and Text, High Contrast, SeeColours, Colour Inversion, Grayscale, Auto Picture Off

Hearing Impaired Support

Closed Caption (Subtitle), Multi-output Audio, Caption Position, Sign Language Zoom, Separate Closed Caption, Sign Language Guide

Motor Impaired Support

Slow Button Repeat, Remote Control App. for All

Power & Eco Solution

Eco Sensor

Yes

Power Supply

AC110-120V~ 50/60Hz

Power Consumption (Max)

270 W

Power Consumption (Idle)

0.5 W

Power Consumption (Typical)

217 W

Auto Power Off

Yes

Auto Power Saving

Yes

Dimension

Package Size (WxHxD)

1593 x 930 x 158 mm

Set Size with Stand (WxHxD)

1446.5 x 886.3 x 279.4 mm

Set Size without Stand (WxHxD)

1446.5 x 829.3 x 46.6 mm

Stand (Basic) (WxD)

314.3 x 279.4 mm

VESA Spec

400 x 300 mm

Weight

Package Weight

30.8 kg

Set Weight with Stand

23.7 kg

Set Weight without Stand

22.7 kg

Accessory

Remote Controller Model

TM2360E

Optional Stand Compatible (Studio)

Yes

Mini Wall Mount Compatible

Yes

User Manual

Yes

Full Motion Slim Wall Mount Compatible (Y22)

Yes

SlimFit Cam Compatible

Yes

Zigbee / Thread Module

Built-In

Power Cable

Yes