

Specifications

Product Type

Neo QLED

Display

Screen Size

85"

Refresh Rate

144 Hz (VRR Support)

Resolution

3840 x 2160

DLG

240 Hz

Anti Reflection

Glare Free

Video

Picture Engine

NQ4 AI Gen3 Processor

AI Picture

AI Optimized / AI Customization

HDR (High Dynamic Range)

Neo Quantum HDR

HDR 10+

Yes (Adaptive / Gami
Advanced)

AI Upscale

4K AI Upscaling Pro

Contrast

Quantum Matrix Technology Slim

Viewing Angle

Wide Viewing Angle

Micro Dimming

Supreme Mini LED D

Contrast Enhancer

Real Depth Enhancer

Motion Technology

Motion Xcelerator 144 Hz

Smart Calibration

Basic / Professional

Supersize Picture E

Yes

AI Motion Enhancer

AI Motion Enhancer Pro

HDR Brightness Optimizer

Yes

Colour Booster

Color Booster Pro

Filmmaker Mode (FI

Yes

AI HDR Remastering

Auto HDR Remastering Pro

EyeComfort Mode

Yes

Audio

Adaptive Sound Adaptive Sound Pro	Object Tracking Sound OTS	Q-Symphony Yes	Sound Output (RMS) 40 W
Speaker Type 2.0.2ch	Active Voice Amplifier Active Voice Amplifier Pro	Dolby Atmos Yes	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 / IoT-Sensor Function 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	Daily+ Yes
Storage Share Yes	Live Translate Yes	Generative Wallpaper Yes	Karaoke Mic Yes
Google Cast Yes	Vision AI Companion Yes (US, CA)	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	HGiG Yes	Hue Sync Yes	Gaming Hub Yes (KR, US, CA, BR IT, ES, MX, AU)
AI Auto Game Mode Yes	AI Gaming Optimizer Yes		

Tuner/Broadcasting

Digital Broadcasting ATSC / ClearQAM	Analog Tuner Yes
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Connectivity

HDMI 5	USB 2 x USB-A, 1 x USB-C	HDMI (High Frame Rate) 4K 144 Hz (for HDMI 1/2/3/4/5)	Ethernet (LAN) 1
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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 Conne

Design**Design**

Frame Design

Bezel Type

VNB

Front Colour

Black

Stand

Round Feet

Stand Colour

Black

Additional Feature**Art Mode (The Frame)**

Yes

Art Store

Yes

Motion Detection (Frame)

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**Audio Description**

Yes

High Contrast

Yes

Zoom Menu and Te

Yes

(Slovakia),Spanish
(Mexico),Swedish (Sweden)

SeeColours

Yes

Colours Inversion

Yes

Grayscale

Yes

Auto Picture Off

Yes

Magnification

Yes

Relumino

Yes

Audio Subtitles

Yes

Audio Phone Numb

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)

310 W

Power Consumption

0.5 W

Power Consumption (Typical)

250 W

Auto Power Off

Yes

Auto Power Saving

Yes

Dimension

Package Size (WxHxD)

2068 x 1200 x 178 mm

Set Size with Stand (WxHxD)

1904.3 x 1129.5 x 369.0 mm

Set Size without Stand (WxHxD)

1904.3 x 1090.9 x 26.9 mm

Stand (Basic) (WxD)

1410.2 x 369 mm

Stand (Minimum) (WxD)

360.2 x 369 mm

VESA Spec

600 x 400 mm

Weight

Package Weight	Set Weight with Stand	Set Weight without Stand	
53.7 kg	42.1 kg	41.2 kg	

Accessory

Slim Wall Mount Compatible	Customizable Bezel Compatible	User Manual	Full Motion Slim Wall Mount Compatible (Y22)
Included	Yes	Yes	Yes
Power Cable	SlimFit Cam Compatible	Zigbee / Thread Module	
Yes	Yes	Dongle Support	