

Specifications

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Product Type

Neo QLED

Display

Screen Size

55"

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 / Game 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

AI Motion Enhancer

AI Motion Enhancer F

HDR Brightness Optimizer

Yes

Colour Booster

Colour Booster Pro

Filmmaker Mode (FMM)

Yes

AI HDR Remastering

Auto HDR Remastering

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	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
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)	RF In (Terrestrial / Cable input / Satellite input)	Ex-Link (RS-232C)	Wi-Fi
1	1 / 1(Common Use for Terrestrial) / 0	1	Yes (Wi-Fi 6E)
Bluetooth	Anynet+ (HDMI-CEC)	HDMI Audio Return Channel	One Connect Box
Yes (LE 2.1)	Yes	1 ARC	With One Connect Cable

Design

Design	Bezel Type	Front Colour	Stand
Frame Design	VNB	Black	Round Feet
Stand Colour			
Black			

Additional Feature

Art Mode (The Frame)	Art Store	Motion Detection (Frame)	Embedded POP
Yes	Yes	Yes	Yes
EPG	IP Control	OSD Language	V-Chip
Yes	Yes	English, Spanish, French	Yes

Accessibility

Accessibility - Voice Guide	Audio Description	High Contrast	Zoom Menu and Te
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	Yes	Yes	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)

180 W

Power Consumption

0.5 W

Power Consumption (Typical)

123 W

Auto Power Off

Yes

Auto Power Saving

Yes

Dimension

Package Size (WxHxD)

1375 x 829 x 154 mm
54.13 x 32.64 x 6.06 inch

Set Size with Stand (WxHxD)

1237.9 x 744.1 x 218.2 mm
48.74 x 29.30 x 8.59 inch

Set Size without Stand (WxHxD)

1237.9 x 714.3 x 24.9 mm
48.74 x 28.12 x 0.98 inch

Stand (Basic) (WxD)

901.9 x 218.2 mm
35.51 x 8.59 inch

VESA Spec

200 x 200 mm
7.87 x 7.87 inch

Weight

Package Weight	Set Weight with Stand	Set Weight without Stand	
22.1 kg	15.3 kg	15 kg	

Accessory

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