

Specifications

Overview

Product Type	Resolution	Connectivity	Video
Neo QLED	4K (3,840 x 2,160)	4	NQ4 AI Gen2 Processor

Product Type

Neo QLED

Display

Screen Size	Refresh Rate	Resolution
55"	120Hz (Up to 144Hz)	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 Mini LED Pro	Viewing Angle Wide Viewing Angle	Micro Dimming Ultimate UHD Dimming	Contrast Enhancer Real Depth Enhancer
Motion Technology Motion Xcelerator 144Hz	Smart Calibration Basic	Filmmaker Mode (FMM) Yes	HDR Brightness Optim Yes
Colour Booster Color 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) 40W
Speaker Type 2.2CH	Active Voice Amplifier Yes (Active Voice Amplifier Pro)	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

Storage Share

Yes

Generative Wallpaper

Yes

Karaoke Mic

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

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 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 6E)

Bluetooth

Yes(5.3)

Anynet+ (HDMI-CEC)

Yes

HDMI Audio Return Channel

eARC

Design

Design	Bezel Type	Front Colour	Stand
Simple Chamfer	3 Bezel-less	Titan Black	Metal Aero Center
Stand Colour			
Titan Black			

Additional Feature

Art Store	Embedded POP	EPG	IP Control
Yes	Yes	Yes	Yes
OSD Language	V-Chip		
English, Spanish, French	Yes		

Accessibility

Accessiblility - Voice Guide	Low Vision Support	Hearing Impaired Support	Motor Impaired Suppo
US English, Mexico Spanish, Canada French, Finnish, German, Greek, Hungarian, Italian, Norwegian, Polish, Portugal Portuguese, Romanian, Slovak, Swedish, Czech, Danish, Dutch, Korean	Audio Subtitles, Relumino, Magnification, Audio Description, Zoom Menu and Text, High Contrast, SeeColors, Color Inversion, Grayscale, Auto Picture Off	Closed Caption (Subtitle), Multi-output Audio, Caption Position, Sign Language Zoom, Separate Closed Caption, Sign Language Guide, Auto Caption Position	Slow Button Repeat, Re Control App. for All

Power & Eco Solution

Eco Sensor	Power Supply	Power Consumption (Max)	Power Consumption (Eco)
Yes	AC110-120V~ 50/60Hz	175 W	0.5 W

Power Consumption (Typical)
109 W

Auto Power Off
Yes

Auto Power Saving
Yes

Dimension

Package Size (WxHxD) 1352.0 x 813.0 x 148.0 mm	Set Size with Stand (WxHxD) 1227.6 x 761.2 x 247.4 mm	Set Size without Stand (WxHxD) 1227.6 x 706.4 x 46.1 mm	Stand (Basic) (WxD) 263.9 x 247.4 mm
VESA Spec 200 x 200 mm			

Weight

Package Weight 22.1 kg	Set Weight with Stand 18 kg	Set Weight without Stand 17 kg
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Accessory

Remote Controller Model TM2360E(CA)	Slim Wall Mount Compatible Yes (sold separately)	Optional Stand Compatible (Studio) Yes (sold separately)	Mini Wall Mount Comp Yes (sold separately)
Auto-Rotation Accessory Compatible Yes (sold separately)	User Manual Yes	Full Motion Slim Wall Mount Compatible (Y22) Yes (sold separately)	SlimFit Cam Compatib Yes (sold separately)
Zigbee / Thread Module Built-In	Power Cable Yes		