

Specifications

	Product Type	Display	
	NeoQLED	65"	
	Series		
	8		
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Series	8		
Display	Screen Size	Refresh Rate	
	65"	120 Hz	
	Diagonal Screen Size	Resolution	
	64.5"	4K (3,840 x 2,160)	
Video	Picture Engine	HDR (High Dynamic Range)	
	NQ4 AI Gen2 Processor	Neo Quantum HDR	
	AI Upscale	Compatible with HDR 10+	
	4K AI Upscaling	Yes (ADAPTIVE / GAMING)	
	Contrast	Colour	
	Quantum MatrixTechnology	100% Color Volume	
	Viewing Angle	Micro Dimming	
	Wide Viewing Angle	Supreme UHD Dimming	
Film Mode	Motion Technology		
Yes	Motion Xcelerator 120 Hz		

Smart Calibration
Basic

AI HDR Remastering
Auto HDR Remastering

Filmmaker Mode (FMM)
Yes

Audio

Dolby Atmos
Yes

Active Voice Amplifier
Yes

Object Tracking Sound
OTS Lite

Q-Symphony
Yes

Sound Output (RMS)
40 W

Speaker Type
2.2 CH

Bluetooth Audio
Yes

Buds Auto Switch
Yes

Smart Service

Operating System
Tizen™ Smart TV

Bixby
Yes

Far-Field Voice Interaction
Yes

Built-in Voice Assistant
Alexa

Samsung TV Plus
Yes

Works with AI Speaker
Alexa, Google Assistant

**SmartThings Hub / Matter Hub / IoT-Sensor
Funtionality**
Yes

Samsung Health
Yes

Universal Guide
Yes

Media Home
Yes

Smart Feature

Multi Device Experience
TV to Mobile, Mobile to TV, TV initiate mirroring, Sound
Mirroring, Wireless TV On, Tap View

Multi-View
upto 2 videos

Ambient Mode
Ambient Mode+

Game Feature

Auto Game Mode (ALLM)

Yes

Game Motion Plus

Yes

Dynamic Black EQ

Yes

Surround Sound

Yes

Super Ultra Wide Game View

Yes

Mini Map Zoom

Yes

FreeSync

FreeSync Premium Pro

HGiG

Yes

Gaming Hub

Yes (KR, US, CA, BR, GB, FR, DE, IT, ES, MX, AU)

Tuner/Broadcasting

Digital Broadcasting

ATSC / ClearQAM

Analog Tuner

Yes

Connectivity

HDMI

4

USB

2 x USB-A

HDMI (High Frame Rate)

4K 120 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 (WiFi5)

Bluetooth

Yes (BT5.2)

HDMI Audio Return Channel

eARC

Design

Design

Simple Chamfer

Bezel Type

3 Bezel-less

Front Colour

GRAPHITE BLACK

Stand

ONE TOUCH HEXAGON

Stand Colour

TITAN BLACK

Additional Feature	9:16 Screen Support Yes (Need Auto Rotating Accessory, Compatible Model Only)	ConnectShare™ Yes
Accessibility	Accessibility - Voice Guide US English, Mexico Spanish, Canada French, Finnish, German, Greek, Hungarian, Italian, Norwegian, Polish, Portugal Portuguese, Romanian, Slovak, Swedish, Czech, Danish, Dutch, Korean	Low Vision Support Audio Subtitles (AU,KR,UK,US Only), Magnification, Audio Description, Zoom Menu and Text, High Contrast, SeeColors, Color Inversion, Grayscale, Picture Off
	Hearing Impaired Support Closed Caption (Subtitle), Multi-output Audio, Caption Position, Sign Language Zoom, Separate Closed Caption, Sign Language Guide, Auto Caption Position	Motor Impaired Support Slow Button Repeat, Remote Control App. for All
Power & Eco Solution	Eco Sensor Yes	Power Supply AC 110 - 120 V~ 50/60 Hz
	Power Consumption (Max) 255 W	Power Consumption (Stand-by) 0.5 W
	Power Consumption (Typical) 86 W	Auto Power Off Yes
	Auto Power Saving Yes	
Dimension	Package Size (WxHxD) 1633.0 x 935.0 x 180.0 mm	Set Size with Stand (WxHxD) 1446.5 x 890.0 x 258.8 mm
	Set Size without Stand (WxHxD) 1446.5 x 829.5 x 46.3 mm	Stand (Basic) (WxD) 387.4 x 258.8 mm
	VESA Spec 400 x 300 mm	
Weight	Package Weight 34.7 kg	Set Weight with Stand 26.8 kg
	Set Weight without Stand 23.1 kg	

Accessory

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