

Specifications

	AI Upscale	Connectivity	Resolution		
	8K AI Upscaling	4	8K (7,680 x 4,320)		
	Series				
	8				
Product Type	NeoQLED				
Series	8				
Display	Screen Size	Refresh Rate			
	85"	120 Hz(Up to 4K 165 Hz)			
	Diagonal Screen Size	Resolution			
	84.5"	8K (7,680 x 4,320)			
	Anti Reflection				
	Yes				
Video	Picture Engine	HDR (High Dynamic Range)			
	NQ8 AI Gen2 Processor	Neo Quantum HDR 8K+			
	AI Upscale	Compatible with HDR 10+			
	8K AI Upscaling	Yes (ADAPTIVE/ GAMING)			
	Contrast	Colour			
	Quantum Matrix Technology Pro	100% Color Volume			
Viewing Angle	Micro Dimming				
Ultra Viewing Angle	Ultimate 8K Dimming Pro				
Film Mode	Motion Technology				
Yes	Motion Xcelerator 165Hz				

Smart Calibration
Basic/Professional

AI HDR Remastering
Auto HDR Remastering

Filmmaker Mode (FMM)
Yes

Audio

Dolby Atmos
Yes

Object Tracking Sound
OTS+

Sound Output (RMS)
70 W

Multiroom Link
No

Buds Auto Switch
Yes

Active Voice Amplifier
Yes

Q-Symphony
Yes

Speaker Type
4.2.2CH

Bluetooth Audio
Yes

Smart Service

Operating System
Tizen™ Smart TV

Far-Field Voice Interaction
Yes

Samsung TV Plus
Yes

SmartThings Hub / Matter Hub / IoT-Sensor Funtionality
Yes

Universal Guide
Yes

Bixby
Yes

Built-in Voice Assistant
Alexa

Works with AI Speaker
Alexa, Google Assistant

Samsung Health
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

Ambient Mode
Ambient Mode+

Multi-View
upto 4 videos

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	Light-sync Yes (US Only)
	HGiG Yes	Gaming Hub Yes (KR, US, CA, BR, GB, FR, DE, IT, ES, MX, AU)

Tuner/Broadcasting	Digital Broadcasting (US) ATSC 3.0 (Canada) ATSC/ClearQAM	Analog Tuner Yes
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Connectivity	HDMI 4	USB 3 x USB-A, 1 x USB-C
	HDMI (High Frame Rate) 8K 60Hz, 4K 165Hz (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 (BT5.3)	HDMI Audio Return Channel eARC
	One Connect Box One Connect (Y24 8K)	

Design	Design Infinity One	Bezel Type 4 Bezel-less
	Front Colour GRAPHITE BLACK	Stand SLIM OC STAND
	Stand Colour TITAN BLACK	

Additional Feature	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), Relumino, 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 AC110-120V~ 50/60Hz
	Power Consumption (Max) 430 W	Power Consumption (Stand-by) 0.5 W
	Power Consumption (Typical) 176 W	Auto Power Off Yes
	Auto Power Saving Yes	
Dimension	Package Size (WxHxD) 2090.0 x 1260.0 x 220.0 mm	Set Size with Stand (WxHxD) 1893.4 x 1153.4 x 303.7 mm
	Set Size without Stand (WxHxD) 1893.4 x 1083.0 x 17.6 mm	Stand (Basic) (WxD) 360 x 303.7 mm
	VESA Spec 600 x 400 mm	
Weight	Package Weight 74 kg	Set Weight with Stand 57.7 kg
	Set Weight without Stand 44.4 kg	

Accessory

Remote Controller Model
TM2360E

Slim 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
