

Specifications

	Product	Product	Resolution		
	Quantum Processor 4K	QLED	3,840 x 2,160		
	Screen Size				
	50"				
Product	QLED				
Series	8				
Display	Screen Size	Refresh Rate			
	50"	60 Hz			
	Diagonal Screen Size	Resolution			
	49.5"	3,840 x 2,160			
Video	Product	One Billion Color			
	Quantum Processor 4K	Yes			

	HDR (High Dynamic Range) Quantum HDR 8x	AI Upscale Yes
	Compatible with HDR 10+ Certified (HDR10+ Adaptive)	Contrast Direct Full Array
	Colour 100% Colour Volume with Quantum Dot	Micro Dimming Ultimate UHD Dimming
	Film Mode Yes	Motion Technology Motion Xcelerator Turbo
	Clear Motion LED Clear Motion	Noise Reduction Yes
	Smart Calibration Basic	Filmmaker Mode (FMM) Yes

Audio

	Dolby Atmos Yes	Dolby Decoder MS12 2 ch
	Active Voice Amplifier Yes	Object Tracking Sound OTS Lite
	Q-Symphony Yes	Sound Output (RMS) 40 W
	Speaker Type 2.2 CH	Woofer Yes
	Multiroom Link Yes	Bluetooth Audio Yes
	Dual Audio Support (Bluetooth) Yes	

Smart Service

Samsung SMART TV

Smart

Operating System

Tizen™

Bixby

US English, UK English, India English, Korean, French, German, Italian, Spanish, BR Portuguese (features vary by language)

Far-Field Voice Interaction

Yes

Multi Voice Assistant

Yes

Google Assistant Built-in

Yes

Works with Google Assistant

Yes

Works With Alexa

Yes

TV Plus

Yes

SmartThings

Yes

Samsung Health

Yes

Media Home

Yes

Smart Feature**TV to Mobile - Mirroring**

Yes

TV Initiate Mirroring

Yes

Tap View

Yes

Video Communication

Google Duo

Multi-View

upto 2 videos

Ambient Mode

Ambient Mode+

Wireless Dex

Yes

Cloud Service

Microsoft 365

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

HGiG

Yes

Tuner/Broadcasting**Digital Broadcasting**

ATSC / ClearQAM

Analog Tuner

Yes

Connectivity**HDMI**

4

USB

2

Ethernet (LAN)

Yes

Digital Audio Out (Optical)

1

**RF In (Terrestrial / Cable input /
Satellite input)**

1/1 (Common Use for Terrestrial) / 0

Ex-Link (RS-232C)

1

HDMI A / Return Ch. Support

Yes

eARC

Yes

HDMI Quick Switch

Yes

Wireless LAN Built-in

Yes (WiFi5)

Bluetooth

Yes (BT5.2)

Design**Design**

Stylish Q

Bezel Type

3 Bezel-less

Front Colour

TITAN BLACK

Stand Type

FLOATING PLATE

Stand Colour
SAND BLACK

Additional Feature

IPv6 Support
Yes

Accessibility

Accessibility - Voice Guide
US English

**Accessibility - Learn TV Remote /
Learn Menu Screen**
US English, Mexico Spanish, Canada
French

Accessibility - Others
Enlarge / High Contrast / Multi-output
Audio / SeeColors / Color Inversion /
Grayscale / Caption Position / Sign
Language Zoom / Slow Button Repeat
/ Separate Closed Caption / Graphic
Zoom / Picture Off

Sign Language Guide
Yes

Auto Caption Position
Yes

**Power & Eco
Solution**

Power Supply
AC 110-120 V 50 / 60 Hz

Eco Sensor
Yes

Power Consumption (Max)
230 W

Power Consumption (Stand-by)
0.5 W

Power Consumption (Typical)
79 W

Auto Power Saving
Yes

Auto Power Off
Yes

Dimension

Package Size (WxHxD) 1337 x 780 x 178 mm	Set Size with Stand (WxHxD) 1114.2 x 723 x 239.8 mm
Set Size without Stand (WxHxD) 1114.2 x 644.6 x 53.9 mm	Stand (Basic) (WxD) 510 x 239.8 mm
VESA Spec 200 x 200 mm	

Weight

Package Weight 23.4 kg	Set Weight with Stand 18.1 kg
Set Weight without Stand 13.7 kg	

Accessory

Remote Controller Model TM2280E	Samsung Smart Control Yes
Mini Wall Mount Support Yes	Vesa Wall Mount Support Yes
Full Motion Slim Wall Mount (Y22) Yes	User Manual Yes
Webcam Support Yes	E-Manual Yes
Power Cable Yes	
