

Specifications

	Video	Product	Resolution
	Quantum Processor 4K	QLED	3,840 x 2,160
	Display		
	85"		
Product	QLED		
Series	8		
Display	Screen Size	Refresh Rate	
	85"	120 Hz	
	Diagonal Screen Size	Resolution	
	84.5"	3,840 x 2,160	
Video	Product	One Billion Color	
	Quantum Processor 4K	Yes	

	HDR (High Dynamic Range) Quantum HDR 12x	AI Upscale Yes
	Compatible with HDR 10+ Certified (HDR10+ Adaptive & HDR10+ GAMING)	Contrast Direct Full Array
	Colour 100% Colour Volume with Quantum Dot	Viewing Angle Wide Viewing Angle
	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 5.1 ch
Active Voice Amplifier Yes	Object Tracking Sound OTS+
Q-Symphony Yes	Sound Output (RMS) 60 W
Speaker Type 4.2.2 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

Freesync

FreeSync Premium Pro

Mini Map Zoom

Yes

HGiG

Yes

Tuner/Broadcasting**Digital Broadcasting**

ATSC/ClearQAM

Analog Tuner

Yes

Connectivity**HDMI**

4

HDMI (High Frame Rate)

4K 120 Hz (for HDMI 1/2/3/4)

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

4 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

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
AC110-120 V 50/60 Hz

Eco Sensor
Yes

Power Consumption (Max)
520 W

Power Consumption (Stand-by)
0.5 W

Power Consumption (Typical)
151 W

Auto Power Saving
Yes

Auto Power Off
Yes

Dimension

Package Size (WxHxD)
2146 x 1245 x 260 mm

Set Size with Stand (WxHxD)
1892.8 x 1163.1 x 338.8 mm

Set Size without Stand (WxHxD)
1892.8 x 1083.2 x 54.9 mm

Stand (Basic) (WxD)
420.0 x 338.8 mm

VESA Spec
600 x 400 mm

Weight

Package Weight
65.6 kg

Set Weight with Stand
50.1 kg

Set Weight without Stand
43.3 kg

Accessory

Remote Controller Model
TM2280E

Samsung Smart Control
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
