

Specifications

Collapse all

Product Type

QLED

Display

Screen Size

55"

Refresh Rate

144 Hz (VRR Support)

Resolution

3840 x 2160

DLG

240 Hz

Anti Reflection

Glare Free

Video

Picture Engine

NQ4 AI Gen2 Processor

AI Picture

AI Optimized / AI Customization

HDR (High Dynamic Range)

Quantum HDR

HDR 10+

Yes (Adaptive / Gami

AI Upscale

4K AI Upscaling

Contrast

Dual LED

Viewing Angle

Wide Viewing Angle

Micro Dimming

Supreme UHD Dimm

Contrast Enhancer

Real Depth Enhancer

Motion Technology

Motion Xcelerator 144 Hz

Smart Calibration

Basic

HDR Brightness Op

Yes

Colour Booster

Colour Booster Pro

Filmmaker Mode (FMM)

Yes

AI HDR Remastering

Auto HDR Remastering

EyeComfort Mode

Yes

Audio

Adaptive Sound Adaptive Sound Pro	Object Tracking Sound OTS Lite	Q-Symphony Yes	Sound Output (RMS) 20 W
Speaker Type 2ch	Active Voice Amplifier Active Voice Amplifier Pro	Dolby Atmos Yes	360 Audio Yes
AI Sound Controller AI Sound Controller			

Smart Service

Operating System Tizen™ Smart TV	Bixby Yes	Built-in Voice Assistant Alexa	Samsung TV Plus Yes
Web Browser Yes	Works with AI Speaker Alexa, Google Assistant	SmartThings Hub / Matter Hub / IoT-Sensor Functionality / Quick Remote Yes	Samsung Health Yes
Universal Guide Yes			

Smart Feature

Multi Device Experience

Mobile to TV, TV initiate mirroring,
Sound Mirroring, Wireless TV On

Multi-View

up to 2 Videos

Apple AirPlay

Yes

Daily+

Yes

Storage Share

Yes

Live Translate

Yes

Generative Wallpaper

Yes

Karaoke Mic

Yes

Google Cast

Yes

Vision AI Companion

Yes

Soccer Mode

AI Soccer / Football Mode

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

Game Bar

Yes

Mini Map Zoom

Yes

FreeSync

FreeSync Premium

HGiG

Yes

Hue Sync

Yes

Gaming Hub

Yes

AI Auto Game Mode

Yes

AI Gaming Optimizer

Yes

Tuner/Broadcasting

Digital Broadcasting

ATSC / ClearQAM

Analog Tuner

Yes

Connectivity

HDMI

4

USB

2 x USB-A

HDMI (High Frame Rate)

4K 144 Hz (for HDMI 1/2/3/4)

Ethernet (LAN)

1

Digital Audio Out (Optical)	RF In (Terrestrial / Cable input / Satellite input)	Ex-Link (RS-232C)	Wi-Fi
1	1 / 1(Common Use for Terrestrial) / 0	1	Yes (Wi-Fi 6E)
Bluetooth	Anynet+ (HDMI-CEC)	HDMI Audio Return Channel	
Yes (LE Audio)	Yes	Yes	

Design

Design	Bezel Type	Front Colour	Stand
Frame Design	VNB	Black	Round Feet
Stand Colour			
Black			

Additional Feature

Art Mode (The Frame)	Art Store	Motion Detection (Frame)	Embedded POP
Yes	Yes	Yes	Yes
EPG	IP Control	OSD Language	V-Chip
Yes	Yes	English, Spanish, French	Yes

Accessibility

Accessibility - Voice Guide	Audio Description	High Contrast	Zoom Menu and Text
Czech (Czech Republic),Danish (Denmark),Dutch (Netherlands),English (US),Finnish (Finland),French (Canada),German (Germany),Greek (Greece),Hungarian (Hungary),Italian (Italy),Korean (Korea),Norwegian (Norway),Polish (Poland),Portuguese (Portugal),Romanian (Romania),Slovak	Yes	Yes	Yes

(Slovakia),Spanish
(Mexico),Swedish (Sweden)

SeeColours

Yes

Colours Inversion

Yes

Grayscale

Yes

Auto Picture Off

Yes

Magnification

Yes

Relumino

Yes

Audio Subtitles

Yes

Audio Phone Numb

Yes

Closed Caption (Subtitle)

Yes

Multi-output Audio

Yes

Sign Language Zoom

Yes

Caption Position

Yes

Separate Closed Caption

Yes

Slow Button Repeat

Yes

Accessibility Remote

Yes

Learn TV Remote

Yes

Learn Menu Screen

Yes

Accessibility Shortcuts Edit

Yes

Auto Menu Sort

Yes

Power & Eco Solution

Eco Sensor

Yes

Power Supply

AC110-120V~ 50/60 Hz

Power Consumption (Max)

160 W

Power Consumption

0.5 W

Power Consumption (Typical)

123 W

Auto Power Off

Yes

Auto Power Saving

Yes

Dimension

Package Size (WxHxD)

1375 x 829 x 143 mm
54.13 x 32.64 x 5.63 in

Set Size with Stand (WxHxD)

1237.9 x 744.1 x 218.2 mm
48.74 x 29.29 x 8.59 in

Set Size without Stand (WxHxD)

1237.9 x 708.8 x 27.5 mm
48.74 x 27.91 x 1.08 in

Stand (Basic) (WxD)

901.9 x 218.2 mm
35.50 x 8.59 in

VESA Spec

200 x 200 mm
7.87 x 7.87 in

Weight

Package Weight	Set Weight with Stand	Set Weight without Stand	
20.7 kg	14.6 kg	14.3 kg	

Accessory

Slim Wall Mount Compatible	Optional Stand Compatible (Studio)	Customizable Bezel Compatible	User Manual
Included	Yes	Yes	Yes
Full Motion Slim Wall Mount Compatible (Y22)	Power Cable	SlimFit Cam Compatible	Zigbee / Thread Motion Dongle Support
Yes	Yes	Yes	