Specifications

Product Type

Micro RGB

Display

Screen Size
85"

Resolution
3840 x 2160

Refresh Rate
144 Hz (VRR Support)

DLG
240 Hz

Video

Picture Engine
Micro RGB AI Engine

HDR (High Dynamic Range)
Micro RGB HDR+

HDR 10+
Yes (Adaptive / Gaming / Advanced)

AI HDR Remastering
Auto HDR Remastering

Contrast
Micro RGB Technology

Colour
Micro RGB Precision Color 100

Viewing Angle
Wide Viewing Angle

Micro Dimming
Ultimate Micro Dimming

Contrast Enhancer
Real Depth Enhancer

Motion Technology
Motion Xcelerator 144 Hz

AI Picture
AI Optimized / AI Customization

AI Upscale
4K AI Upscaling

Supersize Picture Enhancer
Yes

HDR Brightness Optimizer
Yes

Colour Booster
Micro RGB Color Booster Pro

Filmmaker Mode (FMM)
Yes

EyeComfort Mode
Yes

Audio

Dolby Atmos
Yes

Object Tracking Sound
OTS Lite

Q-Symphony
Yes

Sound Output (RMS)
30 W

Speaker Type

Active Voice Amplifier

Adaptive Sound

360 Audio

2ch	Active Voice Amplifier Pro	Adaptive Sound Pro	Yes

AI Sound Controller

AI Sound Controller

Smart Service

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

Smart Feature

Multi Device Experience	**Multi-View**	**Apple AirPlay**	**Daily+**
Mobile to TV, TV initiate mirroring, Sound Mirroring, Wireless TV On	up to 2 Videos	Yes	Yes
Now brief	**Storage Share**	**Live Translate**	**Generative Wallpaper**
Voice / User Detection	Yes	Yes	Yes
Vision AI Companion	**Karaoke Mic**	**Google Cast**	**Soccer Mode**
Yes (US, CA)	Yes	Yes	AI Soccer / Football Mode

Game Feature

Auto Game Mode (ALLM)	**Game Motion Plus**	**VRR**	**Dynamic Black EQ**
Yes	Yes	Yes	Yes
Surround Sound	**Super Ultra Wide Game View**	**Game Bar**	**Mini Map Zoom**
Yes	Yes	Yes	Yes
Hue Sync	**FreeSync**	**Gaming Hub**	**AI Auto Game Mode**
Yes	FreeSync Premium Pro	Yes (KR, US, CA, BR, GB, FR, DE, IT, ES, MX, AU)	Yes

AI Gaming Optimizer

Yes

Tuner/Broadcasting

Digital Broadcasting

ATSC / ClearQAM

Analog Tuner

Yes

Connectivity

Wi-Fi

Yes (Wi-Fi 6E)

Bluetooth

Yes (5.3)

HDMI

4

HDMI (High Frame Rate)

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

HDMI Audio Return Channel

eARC

Anynet+ (HDMI-CEC)

Yes

USB

2 x USB-A

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

Design

Design

Monolith Edge

Bezel Type

3 Bezel-less

Front Colour

Titan Black

Stand

Round Feet

Stand Colour

Black

Additional Feature

Art Store

Yes

Embeded POP

Yes

EPG

Yes

IP Control

Yes

OSD Language

V-Chip

English, Spanish, French	Yes

Accessibility

Accessibillity - 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 (Slovakia),Spanish (Mexico),Swedish (Sweden)	Yes	Yes	Yes

SeeColours	Colours Inversion	Grayscale	Auto Picture Off
Yes	Yes	Yes	Yes

Magnification	Relumino	Audio Subtitles	Audio Phone Number
Yes	Yes	Yes	Yes

Closed Caption (Subtitle)	Multi-output Audio	Sign Language Zoom	Caption Position
Yes	Yes	Yes	Yes

Separate Closed Caption	Slow Button Repeat	Accessibility Remote	Learn TV Remote
Yes	Yes	Yes	Yes

Learn Menu Screen	Accessibility Shortcuts Edit	Auto Menu Sort
Yes	Yes	Yes

Power & Eco Solution

Power Consumption (Max)	Power Supply	Power Consumption (Stand-by)	Power Consumption (Typical)
330 W	AC110-120V~ 50/60 Hz	0.5 W	206 W

Eco Sensor	Auto Power Saving	Auto Power Off
Yes	Yes	Yes

Dimension

Package Size (WxHxD)
2060 x 1200 x 178 mm

Set Size with Stand (WxHxD)
1888.8 x 1123 x 369 mm

Set Size without Stand (WxHxD)
1888.8 x 1083.2 x 52.5 mm

Stand (Basic) (WxD)
1625.2 x 369 mm

Stand (Minimum) (WxD)
360.6 x 369 mm

VESA Spec
600 x 400 mm

Weight

Package Weight
46.2 kg

Set Weight with Stand
34.7 kg

Set Weight without Stand
34 kg

Accessory

Slim Wall Mount Compatible
Yes

Full Motion Slim Wall Mount Compatible (Y22)
Yes

SlimFit Cam Compatible
Yes

Zigbee / Thread Module
Dongle Support

User Manual
Yes

Power Cable
Yes