

Specifications

Expand all

Product Type

Micro RGB

Display

Screen Size

55"

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

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

2ch

Active Voice Amplifier

Active Voice Amplifier Pro

Adaptive Sound

Adaptive Sound Pro

360 Audio

Yes

AI Sound Controller

Smart Service

Operating System

Tizen™ Smart TV

Bixby

Yes

Far-Field Voice Interaction

Yes

Built-in Voice Assistant

Alexa

Works with AI Speaker

Alexa, Google Assistant

Samsung TV Plus

Yes

Web Browser

Yes

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

Now brief

Voice / User Detection

Storage Share

Yes

Live Translate

Yes

Generative Wallpaper

Yes

Vision AI Companion

Yes (US, CA)

Karaoke Mic

Yes

Google Cast

Yes

Soccer Mode

AI Soccer / Football Mode

Game Feature

Auto Game Mode (ALLM)

Yes

Game Motion Plus

Yes

VRR

Yes

Dynamic Black EQ

Yes

Surround Sound

Yes

Super Ultra Wide Game View

Yes

Game Bar

Yes

Mini Map Zoom

Yes

Hue Sync

Yes

FreeSync

FreeSync Premium Pro

Gaming Hub

Yes (KR, US, CA, BR, GB, FR, DE, IT, ES, MX, AU)

AI Auto Game Mode

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

Embedded POP

Yes

EPG

Yes

IP Control

Yes

OSD Language

English, Spanish, French

V-Chip

Yes

Accessibility

Accessibility - Voice Guide

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)

Audio Description

Yes

High Contrast

Yes

Zoom Menu and Text

Yes

SeeColours

Yes

Colours Inversion

Yes

Grayscale

Yes

Auto Picture Off

Yes

Magnification

Yes

Relumino

Yes

Audio Subtitles

Yes

Audio Phone Number

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

Power Consumption (Max)

Power Supply

Power Consumption (Stand-by)

Power Consumption (Typical)

210 W	AC110-120V~ 50/60 Hz	0.5 W	145 W
Eco Sensor	Auto Power Saving	Auto Power Off	
Yes	Yes	Yes	

Dimension

Package Size (WxHxD)	Set Size with Stand (WxHxD)	Set Size without Stand (WxHxD)	Stand (Basic) (WxD)
1352 x 808 x 127 mm	1224 x 744 x 218 mm	1224 x 708 x 52 mm	1034.6 x 218 mm
Stand (Minimum) (WxD)	VESA Spec		
250 x 218 mm	300 x 200 mm		

Weight

Package Weight	Set Weight with Stand	Set Weight without Stand
19.6 kg	14.9 kg	14.6 kg

Accessory

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