

Specifications

Product Type

QLED

Series

LS

Display

Screen Size
85"

Refresh Rate
120Hz

Diagonal Screen Size
84.5"

Resolution
4K (3,840 x 2,160)

Anti Reflection
Matte Display

Video

Picture Engine
Quantum Processor 4K

HDR (High Dynamic Range)
Quantum HDR

AI Upscale
Yes

Compatible with HDR 10+
Yes (ADAPTIVE/ GAMING)

HLG (Hybrid Log Gamma)
Yes

Contrast
Dual LED

Colour
100% Color Volume

Viewing Angle
Wide Viewing Angle

Micro Dimming
Supreme UHD Dimming

Contrast Enhancer
Real Depth Enhancer

Film Mode
Yes

Expert Calibration
N/A

Smart Calibration
Basic

Filmmaker Mode (FMM)
Yes

AI HDR Remastering
N/A

Audio	Active Voice Amplifier	Adaptive Sound
	Yes	Adaptive Sound Pro
	Object Tracking Sound	Q-Symphony
	OTS	Yes
	Audio Pre-selection Descriptor	Sound Output (RMS)
	N/A	40W
	Speaker Type	Multiroom Link
	2.0.2CH	No
	Bluetooth Audio	Dolby Atmos
	Yes	Yes
	Buds Auto Switch	
	Yes	

Smart Service	Operating System	Bixby
	Tizen™ Smart TV	Yes
	Far-Field Voice Interaction	Built-in Voice Assistant
	N/A	N/A
	Samsung TV Plus	Web Browser
	Yes	Yes
	Works with AI Speaker	SmartThings Hub / Matter Hub / IoT-Sensor Funtionality
	Alexa, Google Assistant	Yes
	Samsung Health	Universal Guide
	Yes	Yes
	Media Home	
	Yes	

Smart Feature

Multi Device Experience

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

Multi-View

upto 2 videos

Ambient Mode

Yes (In Art Mode)

Chat Together

Yes (US Only)

Virtual Communication

Yes (US Only)

NFT

Nifty Gateway (App download required)

ScreenVitals

N/A

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

FreeSync

FreeSync Premium

HGiG

Yes

G-SYNC

N/A

Light-sync

Yes (US Only)

Gaming Hub

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

Tuner/Broadcasting

Digital Broadcasting

ATSC/Clear QAM

Analog Tuner

Yes

Connectivity

HDMI

4

USB

2 x USB-A

HDMI (High Frame Rate)

4K 120Hz (for HDMI 4)

Ethernet (LAN)

1

POGO (SlimFit Cam Only)

N/A

Digital Audio Out (Optical)

1

RF In (Terrestrial / Cable input / Satellite input)

1/1(Common Use for Terrestrial)/0

Ex-Link (RS-232C)

1

Wi-Fi
Yes (Wi-Fi 5)

Bluetooth
Yes (BT5.2)

Anynet+ (HDMI-CEC)
Yes

HDMI Audio Return Channel
eARC

One Connect Box
One Connect (Y22 4K)

Design

Design
Frame Design

Bezel Type
VNB

Slim Type
Slim look

Front Colour
BLACK

Stand
SIMPLE

Stand Colour
BLACK

Additional Feature

Auto Rotation
N/A

9:16 Screen Support
N/A

Art Mode (The Frame)
Yes

Motion Detection (Frame)
Yes

Knox Vault
N/A

EPG
Yes

Extended PVR
N/A

ConnectShare™
Yes

IP Control
Yes

OSD Language
English, Spanish, French

V-Chip
Yes

Accessibility

Accessibility - Voice Guide
US English, Mexico Spanish, Canada French, Finnish, German, Greek, Hungarian, Italian, Norwegian, Polish, Portugal Portuguese, Romanian, Slovak, Swedish, Czech, Danish, Dutch, Korean

Low Vision Support
Audio Subtitles (AU,KR,UK,US Only), Magnification, Audio Description, Zoom Menu and Text, High Contrast, SeeColors, Color Inversion, Grayscale, Picture Off

Hearing Impaired Support
Closed Caption (Subtitle), Multi-output Audio, Caption Position, Sign Language Zoom, Separate Closed Caption, Sign Language Guide

Motor Impaired Support
Slow Button Repeat, Remote Control App. for All

Power & Eco Solution

Eco Sensor Yes	Power Supply AC110-120V~ 50/60Hz
Power Consumption (Max) 290 W	Power Consumption (Stand-by) 0.5 W
Power Consumption (Typical) 120 W	Auto Power Off Yes
Auto Power Saving Yes	

Dimension

Package Size (WxHxD) 2087 x 1249 x 235 mm	Set Size with Stand (WxHxD) 1904.3 x 1122.4 x 347.9 mm
Set Size without Stand (WxHxD) 1904.3 x 1085.3 x 26.9 mm	Stand (Basic) (WxD) 1420.4 x 347.9 mm
Stand (Minimum) (WxD) 1120.4 x 347.9 mm	VESA Spec 600 x 400 mm

Weight

Package Weight 64.1 kg	Set Weight with Stand 45.4 kg
Set Weight without Stand 44.5 kg	

Accessory

Remote Controller Model TM2361E	Batteries (for Remote Control) N/A
Slim Wall Mount Compatible Yes	Optional Stand Compatible (Studio) N/A
Customizable Bezel Compatible Yes	User Manual Yes
Auto-Rotation Accessory Compatible N/A	ANT-Cable N/A
Full Motion Slim Wall Mount Compatible (Y22) Yes	Power Cable Yes

SlimFit Cam Compatible
Yes

HDMI Cable
N/A

Zigbee / Thread Module
Built-In
