

Specifications

Overview

Product Type	Display	Diagonal Screen Size	Refresh Rate
QLED	50"	49.5"	60 Hz

Product Type

QLED

Display

Screen Size	Refresh Rate	Diagonal Screen Size	Resolution
50"	60 Hz	49.5"	4K (3,840 x 2,160)

Anti Reflection
Matte Display

Video

Picture Engine	HDR (High Dynamic Range)	HDR 10+	AI Upscale
NQ4 AI Gen2 Processor	Quantum HDR	Yes (ADAPTIVE)	4K AI Upscaling
Contrast	Viewing Angle	Micro Dimming	Contrast Enhancer
Dual LED	Wide Viewing Angle	Supreme UHD Dimming	Real Depth Enhancer
Motion Technology	Smart Calibration	HDR Brightness Optimizer	Filmmaker Mode (FMN)
Motion Xcelerator	Basic	Yes	Yes

AI HDR Remastering

Auto HDR Remastering

Audio

Adaptive Sound

Yes (Adaptive Sound Pro)

Object Tracking Sound

OTS Lite

Q-Symphony

Yes

Sound Output (RMS)

20 W

Speaker Type

2 CH

Active Voice Amplifier Pro

Yes

Dolby Atmos

Yes

360 Audio

Yes

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

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

Multi-View

upto 2 videos

Ambient Mode

Yes (In Art Mode)

Virtual Communication

Yes (US Only)

Apple AirPlay

Yes

Daily+

Yes

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

HGiG

Yes

Hue Sync

Yes

Gaming Hub

Yes

Tuner/Broadcasting

Digital Broadcasting

ATSC/Clear QAM

Analog Tuner

Yes

Connectivity

HDMI

4

USB

2 x USB-A, 1 x USB-C

HDMI (High Frame Rate)

4K 60Hz (for HDMI 1/2/3/4)

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

Wi-Fi

Yes (Wi-Fi 5)

Bluetooth

Yes(5.3)

Anynet+ (HDMI-CEC)

Yes

HDMI Audio Return Channel

eARC

One Connect Box

One Connect (Y24 4K)

Design

Design	Bezel Type	Front Colour	Stand
Frame Design	VNB	BLACK	SIMPLE
Stand Colour			
BLACK			

Additional Feature

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

Accessibility

Accessibility - Voice Guide	Low Vision Support	Hearing Impaired Support	Motor Impaired Suppo
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 Subtitles, Magnification, Audio Description, Zoom Menu and Text, High Contrast, SeeColors, Color Inversion, Grayscale, Auto Picture Off	Closed Caption (Subtitle), Multi-output Audio, Caption Position, Sign Language Zoom, Separate Closed Caption, Sign Language Guide, Auto Caption Position	Slow Button Repeat, Re Control App. for All

Power & Eco Solution

Eco Sensor Yes	Power Supply AC110-120V~ 50/60Hz	Power Consumption (Max) 120 W	Power Consumption (Typical) 0.5 W
Power Consumption (Typical) 103 W	Auto Power Off Yes	Auto Power Saving Yes	

Dimension

Package Size (WxHxD) 1251 x 775 x 174 mm	Set Size with Stand (WxHxD) 1124.1 x 679.2 x 227.8 mm	Set Size without Stand (WxHxD) 1124.1 x 644.9 x 24.9 mm	Stand (Basic) (WxD) 757.4 x 227.8 mm
VESA Spec 200 x 200 mm			

Weight

Package Weight 20.9 kg	Set Weight with Stand 12.2 kg	Set Weight without Stand 11.8 kg
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Accessory

Remote Controller Model TM2361E	Slim Wall Mount Compatible Included	Optional Stand Compatible (Studio) Yes * Sold separately.	Customizable Bezel Color Yes * Sold separately.
User Manual Yes	Auto-Rotation Accessory Compatible Yes * Sold separately.	Full Motion Slim Wall Mount Compatible (Y22) Yes * Sold separately.	Power Cable Yes
SlimFit Cam Compatible Yes * Sold separately.	Zigbee / Thread Module Built-In		