

## Product

QLED

## Series

LS

## Display

### Screen Size

55"

### Resolution

3,840 x 2,160

### Anti Reflection Screen

N/A

## Video

### Picture Engine

Quantum Processor 4K

### Motion Rate

MR240

### PQI (Picture Quality Index)

4400

### HDR (High Dynamic Range)

Yes

### HDR 10+

Yes

### HLG (Hybrid Log Gamma)

Yes

### Contrast

Direct Full Array 16x

### Color

Colour Volume 100% by Quantum  
Dot

### Dual LED

N/A

### Billion Colors

N/A

### Viewing Angle

Wide Viewing Angle

### Micro Dimming

Ultimate UHD Dimming Pro

### Contrast Enhancer

Yes

### Auto Motion Plus

Yes

### Film Mode

Yes

## Audio

### Dolby Digital Plus

Yes

### Dolby 5.1 Decoder

N/A

### Q-Symphony

N/A

### Dialog Enhancement

Yes

### Audio Pre-selection Descriptor

N/A

### Sound Output (RMS)

20W

### Speaker Type

2CH

### Woofer

N/A

### Multiroom Link

Yes

## Smart Service

### Samsung SMART TV

Smart

### Operating System

Tizen™

### Bixby

US English, UK English, India  
English, Korean, French, German,  
Italian, Spanish (features vary by  
language)

### Voice Interaction

N/A

### Far-Field Voice Interaction

N/A

### Multi Voice Assistant

Yes (GB, GG, IM, JE, IE, FR, DE, IT,  
ES, AT)

### Google Assistant Built-in

N/A

### Works with Google Assistant

Yes (GB, FR, DE, IT, ES, AT, DK, IE,  
NL, NO, SE only)

### Works With Alexa

Yes (GB, FR, DE, IT, ES, AT, IE only)

### TV Plus

Yes(GB/FR/DE/IT/ES/AT/CH only)

### Web Browser

Yes

### SmartThings App Support

Yes

### SmartThings

Yes

### Universal Browse & Play

Yes(GB/FR/DE/IT/ES only)

### Gallery

Yes

## Convergence

### TV to Mobile - Mirroring

Yes

### Mobile to TV - Mirroring, DLNA

Yes

### NFC on TV

N/A

### Mobile Tap Mirroring

Yes

### Digital Butler

N/A

### Multi-View

Yes

### Sound Wall

N/A

### Personal Screen

N/A

### Remote Access

Yes

### Camera Support

N/A

### 360 Video Player

Yes

### WiFi Direct

Yes

### TV Sound to Mobile

Yes

### Sound Mirroring

Yes

## Tuner/Broadcasting

**Digital Broadcasting**

DVB-T2CS2

**Analog Tuner**

Yes

**CI (Common Interface)**

CI+(1.4) / CI+(1.4 ECP)\_IT only

**Data Broadcasting**

HbbTV

2.0.1(IT,GB,DE,ES,CZ,SK)/HbbTV

1.5(AT,FR,FI,EE,GR,SI,HR,BE,NL,LU)/HbbTV

1.0(PL,HU,CH,PT,DK)/MHEG 5(E)

**Connectivity****HDMI**

3

**USB**

1

**Component In (Y/Pb/Pr)**

N/A

**Composite In (AV)**

N/A

**Ethernet (LAN)**

Yes

**Digital Audio Out (Optical)**

1

**RF In (Terrestrial / Cable input)**

1/1(Common Use for Terrestrial)/2

**Ex-Link ( RS-232C )**

N/A

**CI Slot**

1

**HDMI A / Return Ch. Support**

Yes

**eARC**

Yes

**HDMI Quick Switch**

Yes

**Wireless LAN Built-in**

Yes (WiFi5)

**Bluetooth**

Yes (BT4.2)

**Anynet+ (HDMI-CEC)**

Yes

**Design****Design**

Solid Metal Design

**Bezel Type**

SNB

**Slim Type**

Normal

**Front Colour**

TITAN BLACK

**Stand Type**

NONE

**Stand Color**

-

**Additional Feature****Adaptive Picture**

Yes

**Active Voice Amplifier**

N/A

**Adaptive Sound**

Adaptive Sound

**AI Streaming**

N/A

**AI Upscale**

Yes

**Décor Mode**

N/A

**Motion Detection (Frame)**

N/A

**Ambient Mode**

Ambient Mode+

**Brightness/Color Detection**

Brightness/Color Detection

**Portrait Mode**

N/A

**Instant On**

Yes

**Accessibility - Learn TV Remote /****Learn Menu Screen**

UK English, German, French, Spanish, Italian, Dutch, Polish, Danish, Swedish, Finnish, Norwegian, Portuguese, Russian(only when connecting to Network in EE,LV,LT)

**Accessibility - Others**

Enlarge / High Contrast / Multi-output Audio / SeeColors / Color Inversion / Grayscale / Sign Language Zoom / Slow Button Repeat / Auto Detection for Sign Language Zoom Area / Show Closed Caption with Zooming Sign Language

**Ultra Clean View**

N/A

**Digital Clean View**

Yes

**Auto Channel Search**

Yes

**Auto Power Off**

Yes

**Caption (Subtitle)**

Yes

**Connect Share™ (HDD)**

Yes

**ConnectShare™ (USB 2.0)**

Yes

**EPG**

Yes

**Extended PVR**

N/A

**Game Mode**

Yes (Auto Game Mode (ALLM), Game Motion Plus, Dynamic Black EQ, Surround Sound, 4K@120Hz (HDMI Port 1))

**Freesync**

N/A

**G-SYNC**

N/A

**Filmmaker Mode (FMM)**

Yes

**IP Control**

Yes

**OSD Language**

27 European Languages + Russian(only when connecting to Network in EE,LV,LT)

**BT HID Built-in**

Yes

**USB HID Support**

Yes

**Eco Feature**

**Teletext (TTX)**

Yes

**Time Shift**

N/A

**V-Chip**

N/A

**IPv6 Support**

Yes

**Eco Sensor**

Yes

**Energy Efficiency Class**

D

**Power****Power Supply**

AC220-240V 50/60Hz

**Power Consumption (Max)**

370 W

**Power Consumption (Stand-by)**

0.50 W

**Power Consumption (Energy Saving Mode)**

110 W

**Power Consumption (Typical)**

253 W

**Peak Luminance Ratio**

75 %

**Yearly Power Consumption (EU standard)**

351 kWh

**Dimension****Package Size (WxHxD)**

1404 x 846 x 208 mm

**Set Size with Stand (WxHxD)**

N/A x N/A x N/A

**Set Size without Stand (WxHxD)**

1247.4 x 720.9 x 59.8 mm

**Stand (Basic) (WxD)**

N/A

**Stand (Minimum) (WxD)**

N/A

**Weight****Package Weight**

37.2 kg

**Set Weight with Stand**

N/A

**Set Weight without Stand**

29.3 kg

**Accessory****Remote Controller Model**

TM2095A

**Batteries (for Remote Control)**

Yes

**Samsung Smart Control (Included)**

Yes

**No Gap Wall-mount**

N/A

**Optional Stand Support (Y20 Studio)**

N/A

**15m/10m One Invisible Connection Support**

N/A

**Vesa Wall Mount Support**

Yes

**Customizable Bezel Support**

N/A

**User Manual**

Yes

**E-Manual**

Yes

**ANT-Cable**

N/A

**Power Cable**

Yes

**HDMI Cable**

N/A

**Slim Gender Cable**

N/A