

Specifications

Product	Series	Refresh Rate
QLED 4K	Q80B	120 Hz

Resolution
3,840 x 2,160

Product QLED 4K

Series Q80B

Display	Screen Size 55"	Refresh Rate 120 Hz
	Diagonal Screen Size 54.6"	Resolution 3,840 x 2,160

Video	Product Quantum Processor 4K	One Billion Color Yes
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HDR (High Dynamic Range)

Quantum HDR 12x

AI Upscale

Yes

Compatible with HDR 10+

Certified(HDR10+ Adaptive & HDR10+ GAMING)

Contrast

Direct Full Array

Colour

100 % Colour Volume with Quantum Dot

Viewing Angle

Wide Viewing Angle

Micro Dimming

Supreme UHD DimmingUHD Dimming

Film Mode

Yes

Motion Technology

Motion Xcelerator Turbo+

Clear Motion

LED Clear Motion

Noise Reduction

Yes

Smart Calibration

Basic

Filmmaker Mode (FMM)

Yes

Audio**Dolby Decoder**

MS12 5.1ch

Dolby Atmos

Yes

Active Voice Amplifier

Yes

Object Tracking Sound

OTS

Q-Symphony

Yes

Sound Output (RMS)

60 W

Speaker Type

2.2.2 CH

Woofer

Yes

Multiroom Link

Yes

Bluetooth Audio

Yes

Dual Audio Support (Bluetooth)

Yes

Smart Service**Samsung SMART TV**

Smart

Operating System

Tizen™

Bixby

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

Far-Field Voice Interaction

Yes

Multi Voice Assistant

Yes

Google Assistant Built-in

Yes

Works with Google Assistant

Yes

Works With Alexa

Yes

TV Plus

Yes

SmartThings

Yes

Samsung Health

Yes

Media Home

Yes

Smart Feature**TV to Mobile - Mirroring**

Yes

TV Initiate Mirroring

Yes

Tap View

Yes

Video Communication

Google Duo

Multi-View

upto 2 videos

Ambient Mode

Ambient Mode+

Wireless Dex

Yes

Cloud Service

Microsoft 365

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 Pro

HGiG

Yes

Tuner/Broadcasting**Digital Broadcasting**

ATSC/ClearQAM

Analog Tuner

Yes

Connectivity**HDMI**

4

HDMI (High Frame Rate)

4K 120 Hz (for HDMI 1/2/3/4)

USB

2

Ethernet (LAN)

Yes

Digital Audio Out (Optical)

1

RF In (Terrestrial / Cable input / Satellite input)

1/1(Common Use for Terrestrial)/0

Ex-Link (RS-232C)

1

HDMI A / Return Ch. Support

Yes

eARC

Yes

HDMI Quick Switch

Yes

Wireless LAN Built-in

Yes (WiFi5)

Bluetooth

Yes (BT4.2)

Design**Design**

Stylish Q

Bezel Type

4 Bezel-less

Front Colour
TITAN BLACK

Stand Type
FLOATING PLATE

Stand Colour
SAND BLACK

Additional Feature

IPv6 Support
Yes

Accessibility

Accessibility - Voice Guide
US English

**Accessibility - Learn TV Remote /
Learn Menu Screen**
US English, Mexico Spanish, Canada
French

Accessibility - Others
Enlarge / High Contrast / Multi-output
Audio / SeeColors / Color Inversion /
Grayscale / Caption Position / Sign
Language Zoom / Slow Button Repeat
/ Separate Closed Caption / Graphic
Zoom / Picture Off

Sign Language Guide
Yes

Auto Caption Position
Yes

**Power & Eco
Solution**

Power Supply
AC110 - 120 V 50 / 60 Hz

Eco Sensor
Yes

Power Consumption (Max)
230 W

Power Consumption (Stand-by)
0.5 W

Power Consumption (Typical)
89 W

Auto Power Saving
Yes

Auto Power Off
Yes

Dimension

Package Size (WxHxD)

1459 x 842 x 178 mm

Set Size with Stand (WxHxD)

1227.6 x 783.4 x 255.8 mm

Set Size without Stand (WxHxD)

1227.6 x 706.7 x 54.7 mm

Stand (Basic) (WxD)

390.0 x 255.8 mm

VESA Spec200 x 200 mm

Weight

Package Weight

27.0 kg

Set Weight with Stand

21.0 kg

Set Weight without Stand17.9 kg

Accessory

Remote Controller Model

TM2280E

Samsung Smart Control

Yes

Mini Wall Mount Support

Yes

Vesa Wall Mount Support

Yes

Full Motion Slim Wall Mount (Y22)

Yes

User Manual

Yes

Webcam Support

Yes

E-Manual

Yes

Power CableYes
