

# Specifications

|         |                      |                   |              |
|---------|----------------------|-------------------|--------------|
|         | Product              | Series            | Refresh Rate |
|         | QLED 4K              | Q80B              | 120 Hz       |
|         |                      |                   |              |
|         | Resolution           |                   |              |
|         | 3,840 x 2,160        |                   |              |
|         |                      |                   |              |
| Product | QLED 4K              |                   |              |
|         |                      |                   |              |
| Series  | Q80B                 |                   |              |
|         |                      |                   |              |
| Display | Screen Size          | Refresh Rate      |              |
|         | 65"                  | 120 Hz            |              |
|         | Diagonal Screen Size | Resolution        |              |
|         | 64.5"                | 3,840 x 2,160     |              |
|         |                      |                   |              |
| Video   | Product              | One Billion Color |              |
|         | Quantum Processor 4K | Yes               |              |

|              |                                                                              |                                            |
|--------------|------------------------------------------------------------------------------|--------------------------------------------|
|              | <b>HDR (High Dynamic Range)</b><br>Quantum HDR 12x                           | <b>AI Upscale</b><br>Yes                   |
|              | <b>Compatible with HDR 10+</b><br>Certified(HDR10+ Adaptive & HDR10+ GAMING) | <b>Contrast</b><br>Direct Full Array       |
|              | <b>Colour</b><br>100 % Colour Volume with Quantum Dot                        | <b>Viewing Angle</b><br>Wide Viewing Angle |
|              | <b>Micro Dimming</b><br>Supreme UHD DimmingUHD Dimming                       | <b>Film Mode</b><br>Yes                    |
|              | <b>Motion Technology</b><br>Motion Xcelerator Turbo+                         | <b>Clear Motion</b><br>LED Clear Motion    |
|              | <b>Noise Reduction</b><br>Yes                                                | <b>Smart Calibration</b><br>Basic          |
|              | <b>Filmmaker Mode (FMM)</b><br>Yes                                           |                                            |
| <hr/>        |                                                                              |                                            |
| <b>Audio</b> | <b>Dolby Decoder</b><br>MS12 5.1ch                                           | <b>Dolby Atmos</b><br>Yes                  |
|              | <b>Active Voice Amplifier</b><br>Yes                                         | <b>Object Tracking Sound</b><br>OTS        |
|              | <b>Q-Symphony</b><br>Yes                                                     | <b>Sound Output (RMS)</b><br>60 W          |
|              | <b>Speaker Type</b><br>2.2.2 CH                                              | <b>Woofer</b><br>Yes                       |
|              | <b>Multiroom Link</b><br>Yes                                                 | <b>Bluetooth Audio</b><br>Yes              |
|              | <b>Dual Audio Support (Bluetooth)</b><br>Yes                                 |                                            |

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## 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

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## 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

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## 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

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**Tuner/Broadcasting****Digital Broadcasting**

ATSC/ClearQAM

**Analog Tuner**

Yes

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**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 (BT5.2)

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**Design****Design**

Stylish Q

**Bezel Type**

4 Bezel-less

**Front Colour**  
TITAN BLACK

**Stand Type**  
FLOATING PLATE

**Stand Colour**  
SAND BLACK

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## Additional Feature

**IPv6 Support**  
Yes

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## Accessibility

**Accessibility - Voice Guide**  
US English

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

**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

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## Power & Eco Solution

**Power Supply**  
AC110 - 120 V 50 / 60 Hz

**Eco Sensor**  
Yes

**Power Consumption (Max)**  
265 W

**Power Consumption (Stand-by)**  
0.5 W

**Power Consumption (Typical)**  
101 W

**Auto Power Saving**  
Yes

**Auto Power Off**  
Yes

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## Dimension

**Package Size (WxHxD)**  
1621 x 965 x 214 mm

**Set Size with Stand (WxHxD)**  
1446.5 x 905.7 x 289.1 mm

**Set Size without Stand (WxHxD)**  
1446.5 x 829.8 x 54.7 mm

**Stand (Basic) (WxD)**  
390.0 x 289.1 mm

**VESA Spec**  
400 x 300 mm

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## Weight

**Package Weight**  
36.7 kg

**Set Weight with Stand**  
27.8 kg

**Set Weight without Stand**  
24.1 kg

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## 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 Cable**  
Yes