

# Specifications

|                      |             |               |
|----------------------|-------------|---------------|
| Diagonal Screen Size | Product     | Resolution    |
| 84.5"                | Neo QLED 8K | 7,680 x 4,320 |

|         |
|---------|
| Display |
| 85"     |

|         |             |
|---------|-------------|
| Product | Neo QLED 8K |
|---------|-------------|

|        |   |
|--------|---|
| Series | 9 |
|--------|---|

|         |                      |               |
|---------|----------------------|---------------|
| Display | Screen Size          | Refresh Rate  |
|         | 85"                  | 144Hz         |
|         | Diagonal Screen Size | Resolution    |
|         | 84.5"                | 7,680 x 4,320 |
|         | Anti Reflection      |               |
|         | Yes                  |               |

## Video

|  |                                                                              |                                                  |
|--|------------------------------------------------------------------------------|--------------------------------------------------|
|  | <b>Product</b><br>Neural Quantum Processor 8K                                | <b>One Billion Color</b><br>Yes                  |
|  | <b>HDR (High Dynamic Range)</b><br>Quantum HDR 64x (65' 48x)                 | <b>AI Upscale</b><br>Yes                         |
|  | <b>Compatible with HDR 10+</b><br>Certified(HDR10+ Adaptive & HDR10+ GAMING) | <b>Contrast</b><br>Quantum Matrix Technology Pro |
|  | <b>Colour</b><br>100% Colour Volume with Quantum Dot                         | <b>Viewing Angle</b><br>Ultra Viewing Angle      |
|  | <b>Micro Dimming</b><br>Ultimate 8K Dimming Pro                              | <b>Film Mode</b><br>Yes                          |
|  | <b>Motion Technology</b><br>Motion Xcelerator Turbo Pro copy                 | <b>Filmmaker Mode (FMM)</b><br>Yes               |

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## Audio

|                                         |                                      |
|-----------------------------------------|--------------------------------------|
| <b>Dolby Decoder</b><br>MS12 5.1ch      | <b>Active Voice Amplifier</b><br>Yes |
| <b>Object Tracking Sound</b><br>OTS Pro | <b>Q-Symphony</b><br>Yes             |
| <b>Sound Output (RMS)</b><br>90W        | <b>Speaker Type</b><br>6.2.4CH       |

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## Smart Service

|                                                                                                                                            |                                           |
|--------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| <b>Samsung SMART TV</b><br>Smart                                                                                                           | <b>Operating System</b><br>Tizen™         |
| <b>Bixby</b><br>US English, UK English, India English, Korean, French, German, Italian, Spanish, BR Portuguese (features vary by language) | <b>Far-Field Voice Interaction</b><br>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

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**Smart Feature****TV to Mobile - Mirroring**

Yes

**TV Initiate Mirroring**

Yes

**Tap View**

Yes

**Video Communication**

Google Duo

**Multi-View**

Up to 4 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

**Freesync**

FreeSync Premium Pro

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**Tuner/Broadcasting**

**Digital Broadcasting**  
(US) QN90B↑ ATSC 3.0, QN85B↓  
ATSC/ClearQAM(Canada)  
ATSC/ClearQAM

**Analog Tuner**  
Yes

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## Connectivity

**HDMI**  
4

**USB**  
3

**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 3)

**HDMI Quick Switch**  
Yes

**Wireless LAN Built-in**  
Yes (WiFi6)

**Bluetooth**  
Yes (BT5.2)

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## Design

**Design**  
Infinity One

**Bezel Type**  
Zero Bezel

**Front Colour**  
STAINLESS STEEL

**Stand Type**  
CONNECTED STAND

**Stand Colour**  
BRIGHT SILVER

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## Additional Feature

**IPv6 Support**  
Yes

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## Power & Eco Solution

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

**Eco Sensor**  
Yes

**Power Consumption (Max)**  
475 W

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

**Power Consumption (Typical)**  
231 W

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## Dimension

**Package Size (WxHxD)**  
2097.0 x 1253.0 x 220.0 mm

**Set Size with Stand (WxHxD)**  
1876.6 x 1146.1 x 341.4 mm

**Set Size without Stand (WxHxD)**  
1876.6 x 1071.5 x 15.4 mm

**Stand (Basic) (WxD)**  
360.0 x 341.4 mm

**Stand (Minimum) (WxD)**  
N/A

**VESA Spec**  
600 x 400 mm

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## Weight

**Package Weight**  
71.1 kg

**Set Weight with Stand**  
54.8 kg

**Set Weight without Stand**  
43.8 kg

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## Accessory

**Remote Controller Model**  
TM2280E

**Batteries (for Remote Control)**  
N/A

**Samsung Smart Control**  
Yes

**Slim Fit Wall-mount support**  
Yes

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

**Vesa Wall Mount Support**  
Yes

**User Manual**  
Yes

**E-Manual**  
Yes

**Power Cable**  
Yes

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