



CLASS HIERARCHY



SIZE CLASS

85"	UN85M80HAFXZA

Samsung Vision AI



Thousands of tiny LEDs precisely work together to display brighter visuals with richer contrast². With the AI-powered processor, your favorite shows, movies and games come to life with incredible depth, realism and audio quality, while SDR content gets automatically remastered to look like HDR. Plus, discover endless content with thousands of video games³ and free channels⁴.

TOP 10 KEY FEATURES

1. Mini LED with AI Mode⁵
2. Supersize Picture Enhancer²¹
3. Pure Spectrum Color
4. Motion Xcelerator 144Hz¹
5. Auto HDR Remastering
6. NQ4 AI Gen2 Processor⁶
7. 4K AI Upscaling⁵
8. DLG 240Hz²¹
9. AI Sound Controller
10. FreeSync™ Premium

PICTURE (PANEL)

- Display Type: LED
- Refresh Rate: 144Hz (VRR Support)
- Lighting Technology: Mini LED
- Display Resolution: 4K (3,840 x 2,160)
- Anti Reflection: N/A
- Viewing Angle: N/A
- Dimming Technology: Supreme Mini LED Dimming⁷

PICTURE (PROCESSING)

- Processor: NQ4 AI Gen2 Processor⁶
- Upscaling: 4K AI Upscaling⁵
- Variable Refresh Rate (VRR): Yes
- Motion Handling: Motion Xcelerator 144Hz¹
- DLG (Dual Line Gate): 240Hz²¹
- Contrast Enhancer: Real Depth Enhancer
- Color: Pure Spectrum Color
- Color Booster: Pro⁵
- HDR (High Dynamic Range): Mini LED HDR
- HDR10+: Support
- Auto HDR Remastering: Yes
- Adaptive Picture: AI Customization
- Supersize Picture Enhancer: 85" only

AUDIO

- Speaker Type: 2CH
- Output Power (W): 20W
- Dolby Atmos: N/A
- Object Tracking Sound (OTS): OTS Lite
- Q-Symphony: Yes⁸
- Active Voice Amplifier (AVA): Yes
- Adaptive Sound: Plus
- Bluetooth Audio: Yes
- 360 Audio: N/A

DESIGN

- TV Design: Metal Stream
- Bezel Type: 3 Bezel-less
- Front Color: Black
- Stand Type: Basic Feet
- Stand Color: Titan Gray
- Adjustable Stand: Yes

CONNECTIVITY

- Wi-Fi: Yes (Wi-Fi 5)
- Bluetooth: Yes (BT5.3)
- One Connect Box: N/A
- HDMI Inputs⁹: 3 Ports
- HDMI Maximum Input Rate: 4K 144Hz (for HDMI 1/2/3)
- HDMI Audio Return Channel: eARC
- HDMI-CEC: Yes
- USB Ports: 1 x USB-A
- Ethernet (LAN): Yes
- Digital Audio Out (Optical): N/A
- RF Connection: Yes
- RS-232C Input: N/A

Samsung Vision AI ¹⁰

- Vision AI Companion: Yes¹¹
- AI Soccer Mode: Yes¹²
- AI Sound Controller: Yes¹³
- Live Translate: Yes
- Generative Wallpaper: Yes
- Multi AI Agents (Copilot & Perplexity): Yes
- Pet & Family Care: Yes
- Home Insight: Yes:

TV ART FEATURES

- Art Mode: N/A
- Art Store: Yes¹⁴

SMART TV FEATURES¹⁵

- Operating System: One UI Tizen
- Free Ad Support TV: Samsung TV Plus
- Smart Home Connectivity: SmartThings¹⁶, Matter, IoT-Sensor Functionality
- Smart Assistants (Built-In): Bixby, Alexa
- Smart Assistants (Works with): Google Assistant
- Far-Field Voice Interactions: Yes
- Web Browser: Yes
- Samsung Health: Yes¹⁷
- Multi Device Experience: Mobile to TV, TV initiate mirroring, Sound Mirroring, Wireless TV On
- Multi-View: Up to 2 videos
- Buds Auto Switch: Yes
- Works with Apple Airplay: Yes
- Works with Google Cast: Yes
- Daily+: Yes
- Now Brief: Yes Voice/User Detection
- Workout Tracker: Yes
- Karaoke Mic: Yes¹⁸
- Multi-Control: Yes
- Storage Share: Yes

GAMING

- Gaming Hub: Yes¹⁹
- Cloud Gaming: Yes - Xbox, NVIDIA GeForce Now, Luna, Blacknut, Antstream, Boosteroid
- Auto Game Mode: AI Auto Game Mode
- ALLM (Auto Low Latency Mode): Yes
- Game Motion Plus: Yes
- Super Ultra Wide Game View²⁰: Yes
- Game Bar: Yes
- Mini Map Zoom: Yes
- AMD FreeSync: FreeSync™ Premium
- NVIDIA G-SYNC: N/A
- HGiG: Yes
- Hue Sync: Yes

SECURITY

- Knox Vault: N/A
- Knox Security: Yes

POWER

- Power Supply (V): AC110-120V ~ 50/60Hz
- Stand-by Power Consumption (W): 0.5
- Eco Sensor: Yes
- Auto Power Saving: Yes
- Auto Power Off: Yes

INCLUDED ACCESSORIES

- Remote Control: BT Simple Remote TM2280A with batteries
- Power Cable: Yes
- Slim Fit Wall-mount Support: N/A

MODELS

MODEL: UN85M80H
ORDER CODE: UN85M80HAFXZA

SCREEN SIZE CLASS: 85"

SCREEN DIAGONAL MEASUREMENT: 84.5"

UPC CODE: 198957275579

COUNTRY OF ORIGIN: MEXICO

DIMENSIONS (INCHES W X H X D):

- TV without Stand: 74.4" x 42.7" x 3"
- TV with Stand (Lowest): 74.4" x 44.6" x 12.8"
- TV with Stand (Highest): N/A
- Distance between Stand (Default): 55.6"
- Distance between Stand (Minimum): 37.6"
- Shipping: 81.7", 47.2" x 7.1"
- Stand Footprint: 1" x 7.9" x 12.8"

WEIGHT (LB):

- TV without Stand: 62.6
- TV with Stand: 63.7
- Shipping: 90.2

VESA SUPPORT: YES (400 X 300)

ACCESSORIES INCLUDED IN BOX:

- Remote Model: BT Simple Remote TM2280A with batteries
- Power Cable
- User Manual

WARRANTY: [CLICK HERE](#)

¹4K 144Hz is only available with PC-connected games that support such specifications (PC graphic card required). Performance may vary.

²As compared to 2026 Crystal UHD.

³High-speed internet connection, compatible gaming service subscription, and compatible controller required.

⁴Samsung Account required for network-based smart services, including streaming apps and other smart features. Computer, mobile or other device may be necessary to create/log in to Samsung Account (free to download and create). Without Account log in, only external device connections (e.g., via HDMI) and terrestrial/over-the-air TV (only for TVs with tuners) available. Channels may vary by location and are subject to change. UI is subject to change without prior notice.

⁵Utilizes AI-based formulas.

⁶Utilizes AI-Based formulas to upscale to 4K resolution. Resulting picture may vary based on source content.

⁷Supreme Mini LED Dimming is Software-based (not full-array hardware-based) technology.

⁸Q-Symphony requires a compatible 2020-2026 Samsung TV. Please refer to [samsung.com](https://www.samsung.com) for more information.

⁹HDMI-CEC (Consumer Electronics Control) facilitates convenient control functions with compatible devices.

¹⁰Samsung Vision AI features vary by model, see individual model for more info.

¹¹AI inputs and queries may be recorded and shared with 3rd party providers. Requires Samsung account and consent to Viewing Information Service; must be 18 years or older. Accuracy not guaranteed. Check results. Utilizes AI-Based formulas.

¹²AI Soccer Mode must be turned on in settings. Utilizes AI-based formulas.

¹³Feature availability varies by input source/app. Utilizes AI-based formulas; results vary. Samsung account and Internet access required.

¹⁴Fees apply to subscription service.

¹⁵Samsung Account required for network-based smart services, including streaming apps and other smart features. Separate [connected] computer, mobile or other device may be necessary to create/log into Samsung Account (free to download and create). Without Account login, only external device connections (e.g., via HDMI) and terrestrial/over-the-air TV (only for TVs with tuners) available.

¹⁶SmartThings require compatible devices only. SmartThings app download may be required.

¹⁷Subscriptions may be required for some services. Smart Trainer support devices may vary by country.

¹⁸Requires SmartThings app to be installed on the mobile device and connected via the same Wi-Fi network as the TV set. Mobile mic is compatible only with Galaxy S23 or later models and iPhone 15 & above. You must download the Karaoke app from Tizen to use the Karaoke function. An additional paid subscription is required for this service after 6 months of free use. (Users can access 5 songs per day for free without a subscription.)

¹⁹High speed internet connection, additional gaming service subscriptions and compatible controller required.

²⁰Super Ultrawide Game View is supported for PC games only. This is feature is only available for ultra wide supported games. Some game titles may not support this function or may be limited to use this feature. Screen resolution change from external device may be required.

²¹Feature available on select 2026 85" and larger models. See specific model product pages for information.

²²DLG 240Hz will reduce image resolution. Only available with PC connected games that support such specifications (PC graphics card required). Visual quality and results vary by title and system configuration.