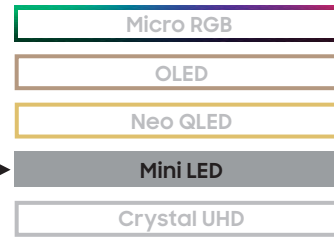




CLASS HIERARCHY



SIZE CLASS

100"	UN100M90HFZA

Samsung Vision AI



This super big TV enhances your content with its AI-powered processor for a bigger viewing experience, without the blur*. Discover thousands of free streaming options** and play your favorite video games on a TV that makes your content look larger-than-life.

TOP 10 KEY FEATURES

- | | |
|---|--|
| <ol style="list-style-type: none"> 1. Mini LED with AI Mode⁵ 2. Supersize Picture Enhancer²¹ 3. Pure Spectrum Color 4. Motion Xcelerator 144Hz¹ 5. Auto HDR Remastering | <ol style="list-style-type: none"> 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: Yes

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: Simple Chamfer
- Bezel Type: 3 Bezel-less
- Front Color: Graphite Black
- Stand Type: Round Feet
- Stand Color: Black
- Adjustable Stand: N/A

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: 2 x USB-A
- Ethernet (LAN): Yes
- Digital Audio Out (Optical): Yes
- 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: UN100M90H
ORDER CODE: UN100M90HFXZA

SCREEN SIZE CLASS: 100"

UPC CODE: 198957290749

COUNTRY OF ORIGIN: MEXICO

DIMENSIONS (INCHES W X H X D):

- TV Without Stand: 87.8 x 50.1 x 2.5
- TV With Stand: 87.8 x 52.3 x 17
- Distance between Stand (Default): 70.3"
- Shipping: 94.4 x 56.9 X 8.9

WEIGHT (LB):

- TV without Stand: 164.1
- TV with Stand: 124.6
- Shipping: 121.3

VESA SUPPORT: YES (600 X 400)

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.

²Utilizes AI-based formulas.

³Utilizes AI-Based formulas to upscale to 4K resolution. Resulting picture may vary based on source content.

⁴Supreme Mini LED Dimming is Software-based (not full-array hardware-based) technology.

⁵Q-Symphony requires a compatible 2020-2026 Samsung TV. Please refer to [samsung.com](https://www.samsung.com) for more information.

⁶HDMI-CEC (Consumer Electronics Control) facilitates convenient control functions with compatible devices.

⁷Samsung Vision AI features vary by model, see individual model for more info.

⁸AI 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.

⁹AI Soccer Mode must be turned on in settings. Utilizes AI-based formulas.

¹⁰Feature availability varies by input source/app. Utilizes AI-based formulas; results vary. Samsung account and Internet access required.

¹¹Samsung Account log-in and Wi-Fi connection are required. Includes free 30 refreshed artworks monthly through Art Store Streams and over 70 ambient content supported complimentary throughout the year. Paid subscription required to enjoy all the art from the Art Store.

¹²Samsung 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.

¹³SmartThings require compatible devices only. SmartThings app download may be required.

¹⁴Subscriptions may be required for some services. Smart Trainer support devices may vary by country.

¹⁵Requires 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.)

¹⁶High speed internet connection, additional gaming service subscriptions and compatible controller required.

¹⁷Super 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.

¹⁸Feature available on select 1026 60" and larger models. See specific model product pages for information.

¹⁹DLG 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.