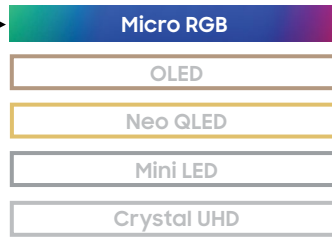


CLASS HIERARCHY



SIZE CLASS

100"	MRN100R85HFXZA
85"	MRN85R85HAFXZA

Samsung Vision AI
UP TO 144Hz*

Discover an expanded world of color¹ covering 100% of the full UHD spectrum² for vibrant picture. Our best 4K AI processor takes your shows and movies to the next level, delivering vivid brightness and deep contrast. Plus, eliminate distracting reflections from bright rooms with Glare Free technology.

TOP 10 KEY FEATURES

1. Micro RGB Technology
2. Micro RGB AI Engine
3. Micro RGB Precision Color
4. Motion Xcelerator 144Hz³
5. Micro RGB Color Booster Pro⁴
6. Micro RGB HDR+⁵
7. 4K AI Upscaling⁵
8. AI Sound Controller⁵
9. Freesync Premium™ Pro
10. Dolby Atmos and Object Tracking Sound Lite

PICTURE (PANEL)

- Display Type: Micro RGB
- Refresh Rate: 144Hz (VRR Support)
- Lighting Technology: Micro RGB Technology
- Display Resolution: 4K (3,840 x 2,160)
- Anti Reflection: N/A
- Viewing Angle: Wide Viewing Angle
- Dimming Technology: Ultimate Micro Dimming⁶

PICTURE (PROCESSING)

- Processor: Micro RGB AI Engine⁵
- Upscaling: 4K AI Upscaling⁵
- Variable Refresh Rate (VRR): Yes
- Motion Handling: Motion Xcelerator 144Hz⁷
- DLG (Dual Line Gate): 240Hz⁸
- Contrast Enhancer: Real Depth Enhancer
- Contrast Booster: Yes
- AI Motion Enhancer: N/A⁵
- Color: Micro RGB Precision Color⁹
- Micro RGB Color Booster: Pro⁵
- HDR (High Dynamic Range): Micro RGB HDR+⁵
- HDR10+: Yes (Adaptive/Gaming/Advanced)
- Auto HDR Remastering: Yes⁵
- Adaptive Picture: AI Optimized / AI Customization
- Supersize Picture Enhancer: Yes

AUDIO

- Speaker Type: 100": 4CH 85": 2CH
- Output Power (W): 100": 40W 85": 30W
- Dolby Atmos: Yes
- Object Tracking Sound (OTS): OTS Lite
- Q-Symphony: Yes¹⁰
- Active Voice Amplifier (AVA): AVA Pro⁵
- Adaptive Sound: Pro⁵
- Bluetooth Audio: Yes
- 360 Audio: Yes

DESIGN

- TV Design: 100": Simple Chamfer 85": Monolith Edge
- Bezel Type: 3 Bezel-less
- Front Color: Titan Black
- Stand Type: 100": Metal Linear 85": Round Feet
- Stand Color: 100": Titan Black 85": Black
- Adjustable Stand: 100": N/A 85": Yes

CONNECTIVITY

- Wi-Fi: Yes (Wi-Fi 6E)
- Bluetooth: Yes (BT5.3)
- One Connect Box: N/A
- HDMI Inputs¹¹: 4 Ports
- HDMI Maximum Input Rate: 4K 144Hz (for HDMI 1/2/3/4)
- 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: Yes

Samsung Vision AI

- Vision AI Companion¹²: Yes⁵
- AI Soccer Mode: Yes¹⁴
- AI Sound Controller: Yes¹⁵
- 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: Yes¹⁶

SMART TV FEATURES¹⁷

- Operating System: One UI Tizen
- Free Ad Support TV: Samsung TV Plus
- Smart Home Connectivity: SmartThings¹⁸, Matter, IoT-Sensor Functionality, Quick Remote
- Smart Assistants (Built-In): Bixby, Alexa
- Smart Assistants (Works with): Google Assistant
- Far-Field Voice Interactions: Yes
- Web Browser: Yes
- Samsung Health: Yes¹⁹
- Multi Device Experience: Mobile to TV, TV initiates 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: Yes²⁰
- Multi-Control: Yes
- Storage Share: Yes

GAMING

- Gaming Hub: Yes²¹
- 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 View²²: Yes
- Game Bar: Yes
- Mini Map Zoom: Yes
- AMD FreeSync: Freesync Premium™ Pro
- 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): 0.5W
- Eco Sensor: Yes
- Auto Power Saving: Yes
- Auto Power Off: Yes

INCLUDED ACCESSORIES

- Remote Control: BT SolarCell™ Remote TM2660H
- Power Cable: Yes
- Slim Fit Wall-mount Support: Yes

MODELS

MODEL: MRN100R85H
ORDER CODE: MRN100R85HFXZA

SCREEN SIZE CLASS: 100"

SCREEN DIAGONAL MEASUREMENT: N/A

UPC CODE: 198957308475

COUNTRY OF ORIGIN: MEXICO

DIMENSIONS (INCHES W X H X D):

- TV without Stand: 87.8 x 50.1 x 2.3
- TV with Stand (Lowest): 87.8 x 52.5 x 16.4
- TV with Stand (Highest): N/A
- Distance between stand (Default): 67.8"
- Distance between stand (Minimum): N/A
- Shipping: 94.4 x 56.9 x 9.1
- Stand Footprint: 0.3 x 12.5 x 16.4

WEIGHT (LB):

- TV without Stand: 129.9
- TV with Stand: 132.9
- Shipping: 180.1

VESA SUPPORT: YES (600X400)

ACCESSORIES INCLUDED IN BOX:

- Remote Model: BT SolarCell™ Remote TM2660H
- Power Cable
- User Manual

WARRANTY: [CLICK HERE](#)

MODEL: MRN85R85H
ORDER CODE: MRN85R85HAFXZA

SCREEN SIZE CLASS: 85"

SCREEN DIAGONAL MEASUREMENT: 84.5"

UPC CODE: 198957287244

COUNTRY OF ORIGIN: MEXICO

DIMENSIONS (INCHES W X H X D):

- TV without Stand: 74.4 x 42.6 x 2.1
- TV with Stand (Lowest): 74.4 x 44.2 x 14.5
- TV with Stand (Highest): 74.4 x 45.2 x 14.5
- Distance between stand (Default): 64"
- Distance between stand (Minimum): 14.2"
- Shipping: 81.1 x 47.2 x 7
- Stand Footprint: 1 x 10.3 x 14.5

WEIGHT (LB):

- TV without Stand: 75
- TV with Stand: 76.5
- Shipping: 106.3

VESA SUPPORT: YES (600X400)

ACCESSORIES INCLUDED IN BOX:

- Remote Model: BT SolarCell™ Remote TM2660H
- Power Cable
- User Manual

WARRANTY: [CLICK HERE](#)

⁴4K 144Hz is only available with PC-connected games that support such specifications (PC graphic card required). Performance may vary.

⁵Covers 100% of UHD color spectrum (BT 2020), as compared to DCI-P3.

⁶VDE's verification evaluates products based on the test criteria established by the International Telecommunication Union (ITU) for UHD (4K) color standards, BT2020, and certifies Micro RGB Precision Color.

⁴4K 144Hz is only available with PC-connected games that support such specifications (PC graphic card required). Performance may vary.

⁶VDE's verification evaluates products based on the test criteria established by the International Telecommunication Union (ITU) for UHD (4K) color standards, BT2020, and certifies Micro RGB Color 100%.

⁸Utilizes AI-Based formulas

⁹Ultimate Micro Dimming is Software-based (not full-array hardware-based) technology.

⁴4K 144Hz is only available with PC-connected games that support such specifications (PC graphic card required). Performance may vary.

⁸DLG 240Hz can be enabled in settings and will reduce image resolution. Up to 240Hz only available with PC connected games that support such specifications (PC graphics card required). Visual quality and results vary by title and system configuration.

⁶VDE's verification evaluates products based on the test criteria established by the International Telecommunication Union (ITU) for UHD (4K) color standards, BT2020, and certifies Micro RGB Color 100%.

¹⁰Q-Symphony requires a compatible 2020-2020 Samsung TV. Please refer to [samsung.com](https://www.samsung.com) for more information.

¹¹HDMI-CEC (Consumer Electronics Control) facilitates convenient control functions with compatible devices.

¹²Samsung Vision AI features vary by model; see individual model for more info.

¹³AI 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.

¹⁴AI Soccer Mode must be turned on in settings. Utilizes AI-based formulas

¹⁵Feature availability varies by input source/app. Utilizes AI-based formulas; results vary. Samsung account and internet access required.

¹⁶Fees apply to subscription service.

¹⁷Samsung 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.

¹⁸SmartThings require compatible devices only. SmartThings app download may be required.

¹⁹Subscriptions may be required for some services. Smart Trainer support devices may vary by country.

²⁰Requires 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.)

²¹High speed internet connection, additional gaming service subscriptions and compatible controller required.

²²Super 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.