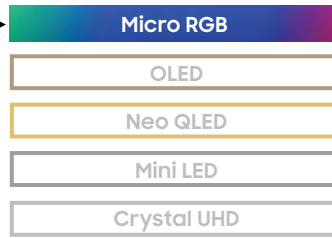


CLASS HIERARCHY



SIZE CLASS

100"	MRN100R85HFXZA
85"	MRN85R85HAFXZA

Samsung Vision AI UP TO 144Hz*

HDR10+ ADVANCED Dolby Atmos

AMD FreeSync Premium Pro SmartThings

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": Solidity
 Bezel Type: 3 Bezel-less
 Front Color: Slate 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 ¹²

Vision AI Companion¹³: 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

⁸Ultimate 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%.

⁹Q-Symphony requires a compatible 2020-2020 Samsung TV. Please refer to [samsung.com](#) for more information.

¹⁰HDMI-CEC (Consumer Electronics Control) facilitates convenient control functions with compatible devices.

¹¹Samsung Vision AI features vary by model; see individual model for more info.

¹²AI 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.

¹³AI Soccer Mode must be turned on in settings. Utilizes AI-based formulas

¹⁴Feature availability varies by input source/app. Utilizes AI-based formulas; results vary. Samsung account and internet access required.

¹⁵Fees apply to subscription service.

¹⁶Samsung 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.

¹⁷SmartThings require compatible devices only. SmartThings app download may be required.

¹⁸Subscriptions may be required for some services. Smart Trainer support devices may vary by country.

¹⁹Requires 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.)

²⁰High speed internet connection, additional gaming service subscriptions and compatible controller required.

²¹Super 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.