Engage audiences with eye-catching 700 nit brightness and ultra-high-definition resolution.

Deliver UHD-level picture quality even with lower resolution content through innovative UHD upscaling technology and unique picture-enhancing features.

Dynamic Crystal Color allows viewers to enjoy a wider spectrum of colors, up to one billion shades.

New symmetrical, slim design simplifies installation and complements any environment.

Secure, PC-free operation through Knox and rigid three-layer protection.

Reliable, non-glare panels provide better visibility from all angles, anytime of day allowing businesses to deliver accurate information 24/7.

Through intelligent UHD upscaling technology, Samsung’s QHR series performs edge restoration and noise reduction to deliver UHD picture quality even with lower resolution content. As an added benefit, the QHR series also features reliable, non-glare panels that provide better visibility from all angles. Backed by Tizen 4.0, the QHR series provides reinforced capability with multiple web formats and secured protection. Additionally, its new slim design simplifies wall mounting and ensures seamless installation.

**Highlights**

- Engage audiences with eye-catching 700 nit brightness and ultra-high-definition resolution.
- Deliver UHD-level picture quality even with lower resolution content through innovative UHD upscaling technology and unique picture-enhancing features.
- Dynamic Crystal Color allows viewers to enjoy a wider spectrum of colors, up to one billion shades.
- New symmetrical, slim design simplifies installation and complements any environment.
- Secure, PC-free operation through Knox and rigid three-layer protection.
- Reliable, non-glare panels provide better visibility from all angles, anytime of day allowing businesses to deliver accurate information 24/7.

**Samsung SMART Signage**

**QHR Series**

Display any content in ultra-high definition with incredibly rich color on slim, efficient signage.
Industry trend

With visual display technology improving across devices, viewers have developed an ever-growing expectation for better picture quality. Additionally, the market has been flooded with a wide variety of color technologies and it’s becoming increasingly important for businesses to have rich and vivid display capabilities. As UHD resolution continues to grow in popularity, it is essential for businesses to deliver superb picture quality for their customers. Low quality displays and signage can create negative perceptions of a business. While much content is still being produced at a lower resolution, through Intelligent UHD upscaling technology, Samsung’s QHR series is able to upscale the low resolution content to UHD picture quality.

Why Samsung’s QHR series?

Samsung’s superior visual display technology has positioned them as an industry leader in the digital signage market for a decade. Samsung has also been the top selling TV brand for 12 consecutive years according to IHS Markit. As the leader in the visual display industry, Samsung delivers best-in-class picture quality and the QHR series is no exception. The displays provide 700 nit brightness, rich and flawless colors, sleek and durable design, powerful performance through SSSP 6 and secure protection. Its reliable, non-glare panels provide better visibility from all angles, allowing businesses to deliver important information 24/7.

Samsung’s QHR series is also able to upscale low-resolution content to UHD quality. For commercial displays, this technology advancement means highly visible signage with unmatched accuracy to help capture the attention of potential customers. It also means savings both in cost and time, as businesses can produce content at a lower cost and resolution and still display it in stunning UHD quality.

1 Results based on IHS Technology report “Public Displays Market Tracker”, 2009 – 2018. Information is not an endorsement of Samsung. Any reliance on these results is at the third party’s own risk.
2 Results based on IHS Markit, Technology Group, TV Sets Intelligence Service – Premium, Annual Unit and Annual Revenue Basis, 2006 – 2017. Information is not an endorsement of Samsung. Any reliance on these results is at the third party’s own risk. Visit www.technology.ihs.com for more details.
Key features

**Incredible 4K picture quality**

Samsung’s new QHR series is able to capture customer attention by providing an incredibly clear picture, showcasing lifelike images and intricate details better than ever before thanks to ultra high-definition 4K resolution.

**High visibility with eye-catching brightness**

Samsung’s QHR series features brilliant image presentation with an impressive 700 nit brightness allowing businesses to deliver clear information 24/7. The display’s non-glare panels provide better visibility regardless of ambient light, ensuring critical information is always visible.

**Intelligent UHD upscaling**

Samsung’s global leadership in display technology and picture quality spans more than a decade. Thanks to superior semi-conductor technology, Samsung has developed the powerful video processor available. Additionally, intelligent UHD upscaling technology is a cutting-edge solution based on Samsung’s proprietary UHD Processor that allows content developed at a lower resolution to be elevated to UHD-level quality. It also performs edge restoration and noise reduction to optimize on-screen text and imagery with crisp edges and fine detail.

**Dynamic Crystal Color**

Dynamic Crystal Color is what brings the incredible, lifelike color to Samsung displays. Using 10-bit processing, the displays are able to showcase a wider spectrum of colors — up to a billion different shades — capturing subtle differences for flawless color expression, critical to businesses in ensuring brand consistency across communication channels. The QHR series also features HDR+ functionality that converts standard definition (SDR) content to HDR quality for sharper contrast and more vivid colors.
Key features

**Slim and symmetrical design**
The all-new slim and symmetrical design of the QHR series significantly simplifies wall mounting the display and ensures installation is a seamless process. The display's power inlet direction has been re-designed to sit flush against the wall. The new design sets guarantees a long life cycle ensuring the QHR series will stand the test of time.

**Clean cable management**
In a corporate or retail environment, the back of a display is often visible to customers. With the QHR series' new cable guide feature retailers can tuck messy cables away from view. This allows for a clean and more visually-appealing customer shopping experience.

**Samsung Workspace secured by Knox**
Samsung Workspace is a powerful new feature fortified by proprietary Knox security technology allowing users to create an enhanced virtual collaboration workspace without needing a PC in the room, or any physical connection. Simply connect a keyboard and mouse to the display and immediately get to work accessing a PC remotely or web-based cloud services such as Microsoft Office 365 and VMWare Horizon.

**Powerful, all-in-one solution**
The Samsung SMART Signage Platform (SSSP) is an open-source, all-in-one solution embedded in Samsung SMART signage that simplifies installation and maintenance. With SSSP, there is no need for any external devices to communicate with the server or play digital media enjoying easy development, reinforced capability with multiple web formats, and secured protection.

**Wi-Fi and Bluetooth built-in**
The QHR series features a nearly endless range of business use-cases thanks to built-in Wi-Fi and Bluetooth. Wireless connectivity allows for personalized and interactive services including enabling integration with beacon technology in store, while also simplifying how businesses showcase content.

**Industry standard certified**
QHR displays are EMC class B compliant, providing a safe and healthy viewing environment by meeting strict standards of electromagnetic wave emission and assuring reliable operation even near other electronic equipment. Additionally, IP5x rating ensures durable performance even in dusty environments.

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* Image is for illustrative purposes only, specific application or program may have to be developed for the depicted usage scenario.
* Samsung Workspace feature support may vary by region and market conditions.
* The scheduled availability of this feature varies by model.
## Specifications

### Display
- **Model:** QH43R, QH49R, QH55R, QH65R, QH75R
- **Diagonal Size:** 42.5", 48.5", 54.6", 64.5", 74.5"
- **Type:** Edge LED BLU
- **Resolution:** UHD (3840 x 2160)
- **Peak Brightness:** 1,078,781 x 64,000 (Typ.)
- **Brightness (Typ.):** 700
- **Contrast Ratio (Typ.):** 100:1
- **Viewing Angle:** 178/178
- **Response Time:** 8ms (Typ.)
- **Color Gamut:** 92% (DCI-P3, CE 1976)
- **Operation Hour:** 24/7
- **Haze:** 4% (Typ.)

### Sound
- **Speaker Type:** Built-in Speaker (10W + 10W)
- **Input:** RGB, HDMI
- **Output:** Built-in Speaker (10W + 10W)
- **Speakers:** 42.5", 48.5", 54.6", 64.5", 74.5"
- **Class:** B

### Connectivity
- **Input:** RS-232C (1)/DVI-D, Display Port 1.2 (1)/HDMI 2.0 (2)
- **Output:** RS-232C (1)/DVI-D, Display Port 1.2 (1)/HDMI 2.0 (2)
- **VESA Mount:** CML400XK

### Power
- **Power Consumption:** Max: 138W, Typ: 95W, Off: 0.5W
- **Rated Voltage:** 220V / 230V
- **H/W:** Smart & Light Signage with Built-in MagicInfo S6, SSSP 6.0
- **S/W:** Built-in Speaker, Wall Daisy Chain, LCD Panel, LCD Panel, LCD Panel

### Mechanics
- **Dimensions (Min):** 96.5 x 61.3 x 48.1 (W x H x D)
- **Weight: (Set):** 14.5lbs (6.6kg)
- **Height:** 19.3" (49cm)
- **Set Weight:** 10.5lbs (4.8kg)
- **VESA Mount:** 200 x 200
- **Protection Glass:** N/A
- **Stand Type:** Flat (Optional)
- **Power Out:** N/A
- **Certification:** ENERGY STAR 8.0, EPEAT

### Feature
- **Processor:** Cortex A72 1.7GHz Quad-Core CPU
- **Input:** Smart & Light Signage with Built-in MagicInfo S6, SSSP 6.0
- **Storage (HDMI):** Built-in Speaker, Wall Daisy Chain, LCD Panel, LCD Panel, LCD Panel
- **Graphics Resolution:** 1080p x 1080p
- **Multimedia:** Video Decoder: MPEG-1/2/4, H.263, H.264, MVC, AVS, HEC, JPEG, PNG, JPG, VP8, VP9, *Audio Decoder: AC-3, MP3, AAC, E-AC3

### Safety & EMC
- **Certification:** ENERGY STAR 8.0, EPEAT
- **Included:** Quick Setup Guide, Warranty Card, Power Cord, Remote Controller

### Accessories
- **Stand:** Options
- **Optional:** Media Player

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### Model
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*Note:* The above specifications are subject to change without notice.
About Samsung Electronics Co., Ltd.

Samsung Electronics Co., Ltd. inspires the world and shapes the future with transformative ideas and technologies. The company is redefining the worlds of TVs, smartphones, wearable devices, tablets, cameras, digital appliances, medical equipment, network systems, and semiconductor and LED solutions. For the latest news, please visit the Samsung Newsroom at news.samsung.com.

SMART Signage

For more information about Samsung SMART Signage QHR Series Displays, visit www.samsung.com/business or www.samsung.com/displaysolutions

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