



ALNaierh  
النيرة

شركة النيرة المحدودة  
ALNaierh Company Limited

**We embrace** change and creativity to deliver the best practical outcomes.

**We build** strong relationships and alliances to achieve success for the long term.

**We encourage** initiative and provide opportunity for our people.

Build the best product, cause no unnecessary harm, use business to inspire and implement solutions to the clients

**We strive** to exceed expectations and be the best that we can be, maintaining the highest level of quality.

**SAMSUNG**





## Our Brand: **Samsung** **Display Solutions**

### **Samsung Display** **Solutions vision :**

Samsung display solution is inspired by you. We will guide you to build your success and future with next generation of display technology.

**SAMSUNG**

# SMART Signage

Tell the story of your business through high-impact visual messaging. Samsung SMART Signage provides professional-grade image quality and a variety of lineup options.

Whatever your business is, you will have access to the option best suited to your needs.

QLED 8K Signage

Crystal UHD Signage

Video wall

Full outdoor

Window display

Flip

Interactive whiteboard

Interactive display

Small display

Stretched display



# QLED 8K Signage

## Highlights

- Real 8K resolution
- 8K AI upscaling
- QLED technology
- 100% Color Volume with
- Quantum Dot Quantum HDR
- Minimal design
- Pivot support\*
- Embedded 8K media player
- 8K content playback through single HDMI

\* Pivot support is only available on 82" model.



## Perfect reality

In the perfect reality created by Samsung QLED 8K Signage, everything has a greater sense of realism and depth. It doesn't just show 8K content – it creates it using 8K AI upscaling technology.



## Brilliant picture quality

Samsung's QLED technology ensures the delivery of 100% Color Volume and Quantum HDR offers dynamic HDR expression that perfectly optimizes scene by scene.



## Aesthetic excellence & Powerful platform

Samsung QLED 8K Signage's minimal design aesthetically enhances any environment. It is also driven by a powerful SoC platform that supports content up to 8K. 8K content playback is supported by only single HDMI.





# Crystal UHD Signage

## Highlights

- UHD resolution
- Crystal processor 4K
- Dynamic Crystal display\*
- HDR
- 24/7 operation
- Slim & symmetrical design\*
- Clean cable management
- Embedded media player
- Samsung Workspace secured by Knox\*
- Wi-Fi & Bluetooth built-in\*

\* Some features may vary by models.



## Incredible picture quality

No matter the resolution, Samsung's Crystal UHD Signage delivers UHD quality images with cutting-edge upscaling technology. It also provides viewers with a wider spectrum of colors up to one billion shades.



## Slim and symmetrical design

Samsung's Crystal UHD Signage's slim, symmetrical design blends seamlessly into any environment. With new cable guide feature, users can tuck messy cables away from view.



## Powerful, all-in-one solution

SSSP is an all-in-one solution that simplifies installation and maintenance. Businesses can enjoy easy development, reinforced capability with multiple web formats and standards and secured protection.



# Video wall

## Highlights

- Various bezel widths options
- Wide viewing angle
- Non-glare panel
- 24/7 operation
- Multi-step factory calibration
- Convenient mobile calibration
- UHD resolution by daisy chain
- Easy installation\*
- ISTA-certified packaging

\* Samsung's special wall mount accessories must be purchased separately.



## Immersive viewing experience

Samsung's multi-step factory calibration tunes video walls to uniform brightness and color throughout multiple displays. Users can also easily manage uniformity with intuitive PC and mobile calibration solution.



## Precise and convenient calibration

Samsung's multi-step factory calibration tunes video walls to uniform brightness and color throughout multiple displays. Users can also easily manage uniformity with intuitive PC and mobile calibration solution.



## Efficient and reliable operation

With daisy chain using DP1.2 and HDMI ports, Samsung's video walls can project UHD content across multiple screens up to 5x5 configuration. ISTA-certified packaging is designed to minimize possible damage.



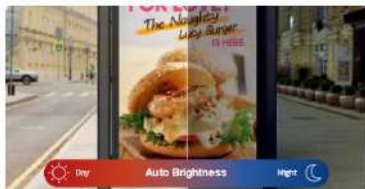


# Full outdoor

## Highlights

- High brightness (2,500-3,300 nit)
- Auto brightness control
- Polarized sunglass support
- 24/7 operation
- Embedded power box and media player
- IP56 rating
- Magic Protection Glass (IK10-rated)
- Dual sided screen\*

\* Dual-sided screen is only available on OHN-D series.



## Unsurpassable visibility day and night

Samsung's outdoor signage allows for exceptional, consistent content delivery with high brightness and 24/7 performance. The display automatically adjusts the brightness based on the external lighting environment.

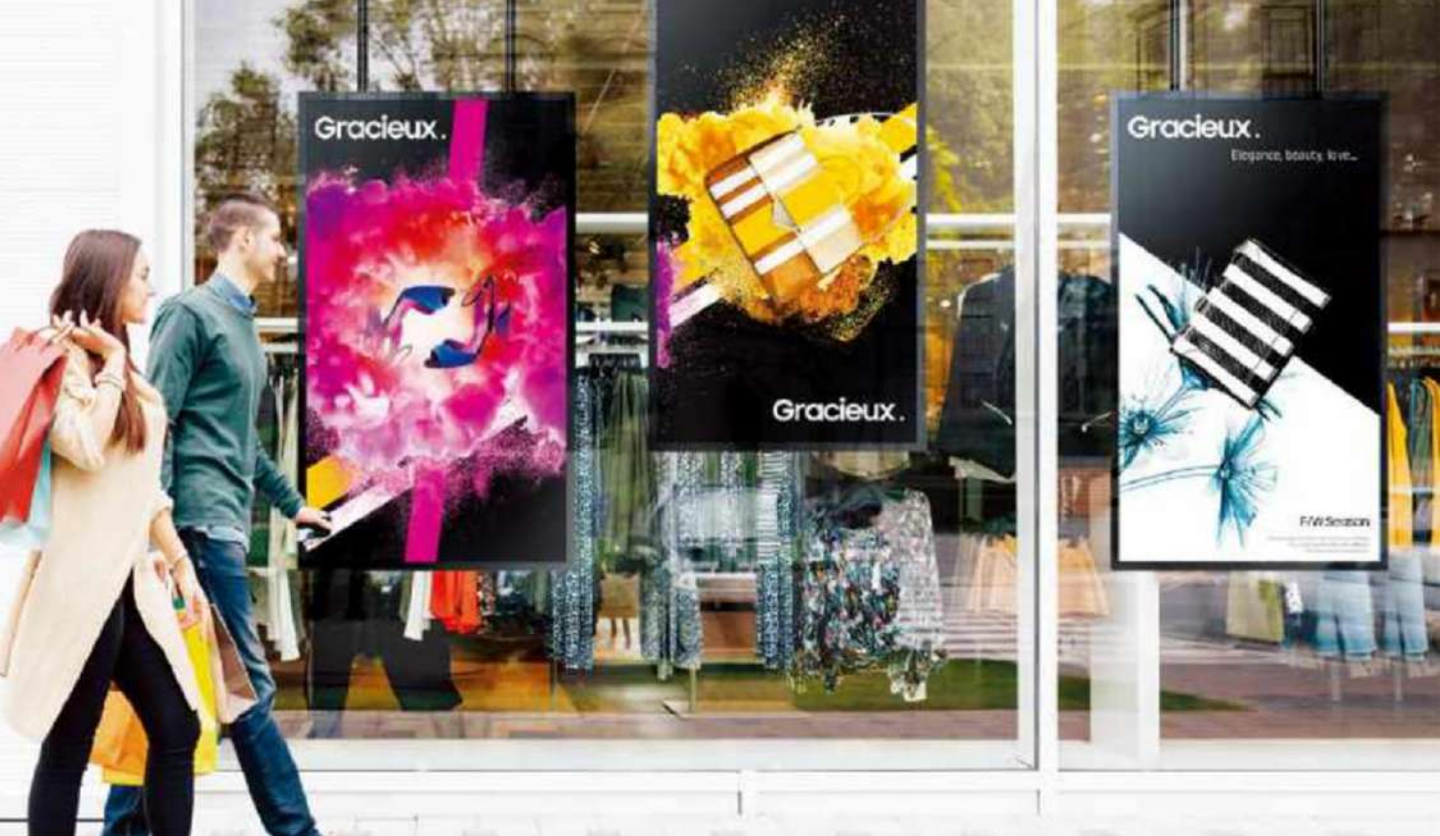
## Precise and convenient calibration

IK10-rated Magic Protection Glass and IP56-rated protection ensures the displays will withstand physical impact as well as dust, humidity or other outdoor elements that could affect the display.

\* For kit models without front glass, IK10 rating does not apply (Samsung MagicGlass only) and IP56 is contingent upon usage of a separate front glass.

## A double-sided screen with slim depth

With high brightness on both sides of the display, users can double their marketing in one location with vibrant content. Its slim design is ideal for a bus shelter or street billboards.



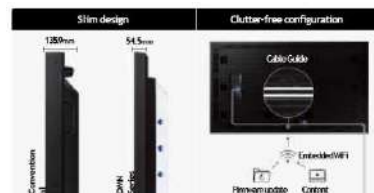
# Window display

## Highlights

- UHD resolution\*
- High brightness (1,000-4,000 nit)
- Auto brightness control
- Polarized sunglass support
- 24/7 operation
- Slim design
- IP5X rating
- 3-step overheat protection
- Energy efficiency
- Clean cable management Wi-Fi built-in
- Dual-sided screen\*\*

\* UHD resolution is only available on OMR series.

\*\* Dual-sided screen is only available on OMN-D series.



## Brilliant presentation for all

Featuring high brightness and contrast ratio, Samsung's window displays remain bright and clear, delivering an uncompromised picture that will capture the attention of potential customers - even in direct sunlight.

## Durable and efficient performance

With IP5X-validated dust protection and a proprietary 3-step overheat protection, Samsung's window displays stand the test of time. It also consumes less power while delivering spectacular performance.

## Slim design and clutter-free configuration

Its slim design makes the display a natural extension of the store, as opposed to an addition that ties up valuable space. Cable guide and embedded Wi-Fi provide clean, organized look.



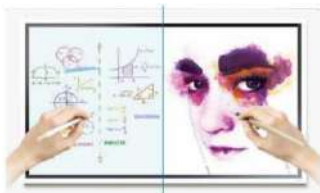


# Flip

## Highlights

- Pen & paper writing experience
- Multi writing up to 4
- InGlass™ technology
- Annotation on
- Flexible image editing
- Web browser
- Samsung Workspace
- UHD resolution & Pivot
- Screen share & Touch out
- Versatile connectivity Innovative design
- Complete management\*

\* Samsung's remote management solution must be purchased separately.



## Pen & paper annotation

Samsung Flip allows you to enjoy a smooth, pen-to-paper-like writing experience. Create art at the stroke of a brush in water as well as oil painting modes. Up to 4 people can write at the same time.



## Intuitive usability

You and your team can directly edit images on the Flip roll at the simple click of a button. You can write on any background source with annotation layer to avoid affecting the original source.



## Powerful connectivity

With multiple connectivity options, you can share content by projecting on to another large display, or sync your personal devices using the touch out function, for real-time content sharing.



# Interactive whiteboard

## Highlights

- Smooth & fast touch
- Multi-writing up to 4
- Embedded MagicIWB solution
- PC-less solution
- Seamless source switch
- Remote workspace
- UHD resolution
- Stylish, pristine design



## Enhanced touch technology

Leverage heightened touch functionality for a smooth and versatile digital writing experience. Up to 4 users can write simultaneously using the provided pen or virtually any other tool.



## Intuitive MagicIWB solution

The embedded MagicIWB S5 solution facilitates discussion management with an intuitive interface for quick access to vital collaborative functionalities such as screen mirroring and real-time notation saving.



## Remote workspace

Pull and edit content on remote laptops directly through the central screen utilizing touch functionality. The powerful Knox system secures the connection to protect against information leakage.





# Interactive display

## Highlights

- Capacitive touch technology
- 10 point multi-touch
- Embedded media player
- Non-glare panel
- 24/7 operation
- Resistance to dust and dirt
- Center IR



## Versatile touch-driven interaction

User-friendly design fosters comfortable, productive digital writing. Capacitive touch technology offers 10 unique touch points while maintaining the smooth, familiar feel of pen-and-paper writing.

## Reliable content delivery

Each display is designed to resist environmental factors that can impede picture clarity and utility, making them ideal for locations frequently exposed to dust, dirt and weather.

## Convenient all-in-one management

By condensing the powerful TIZEN OS, an embedded media player and capacitive touch technology into a single solution, Samsung's interactive displays deliver dynamic content without external PCs or devices.



# Small display

## Highlights

- Non-glare panel
- 16/7 operation
- Compact & slim design
- 10 point multi-touch\*
- Embedded media player
- Built-on Wi-Fi
- Center IR



## Slim, smart design

The compact and slim design allows for efficient space utilization, even in compact locations. A sleek back design makes the display optimal for both wall mounting or simply standing.



## Powerful content playback

With an embedded MagicINFO S player, backed by TIZEN, Samsung small display allows efficient and seamless playback without any external media player.



## Fast, effective touch capabilities

Integrated capacitive touch functionality and 10-point multi-touch powers an intuitive interface that allows for customer-driven search and action, creating new customer interactions and driving purchase.





# Stretched display

## Highlights

- 16:4.5 stretched ratio
- 700 nit brightness
- Non-glare panel
- 24/7 operation
- Embedded media player
- Daisy chain using HDMI loop out
- Slim depth & narrow bezel



## 16:4.5 widescreen

Samsung stretched displays, with 16:4.5 widescreen, offer the ability to effectively communicate information in small, narrow spaces such as store shelves, ceilings, and corridors.

## Clear picture quality

Featuring brightness levels of up to 700nit and non-glare panel, Samsung stretched displays deliver the clearest, richest images regardless of lighting conditions.

## Powerful, all-in-one solution

SSSP is an all-in-one solution that simplifies installation and maintenance. Businesses can enjoy easy development, reinforced capability with multiple web formats and standards and secured protection.

# LED Signage

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Expand your business vision infinitely. Samsung LED Signage is proven effective in capturing the attention of customers, providing brilliant visual expression even on large scale displays. You can install the displays in a variety of sizes and shapes, for creativity without limitation.

The Wall

Indoor

Outdoor





# The Wall

## Highlights

- Black Seal technology
- Ultra Chroma technology
- LED HDR technology
- HDR 10+ support
- Multi-link HDR
- Infinity design
- Décor Frame
- Mobile calibration
- Front service
- Off-board hot-swap power supply\*

\* Optional and available from 3Q, 2020



## Never-before-seen visuals

The Wall creates visual innovation with no boundaries, providing perfect black, pristine colors and pin-sharp clarity. It is possible through Black Seal technology, Ultra Chroma technology and Quantum HDR technology.



## No boundaries between wall and screen

The Wall seamlessly blends into its surroundings with a slim, bezel-less design. Décor Frame features a refined, subtle-but-sleek metal finish that compliments the design elements of any space.



## Powerful, all-in-one solution

With MagicINFO™ solution\*, you can manage device and content from any location via remote access. Requiring nothing more than a mobile phone and a Wi-Fi connection, calibration can be done instantly.

\* Samsung MagicINFO™ must be purchased separately.



# Indoor

## Highlights

- LED HDR technology
- HDR 10+ support
- Multi-link HDR
- Flexible design
- Mobile calibration
- Power & signal redundancy
- Z-sync functionality\*
- Front service

\* Z-sync is available on Samsung MagicINFO™ platform that must be purchased separately.



## HDR experience in large scale

With Multi-link HDR technology, Samsung's indoor LED signage delivers more impactful content than ever before, providing HDR quality content up to 8K resolution.

## Flexible design for any location

Advanced design provides more flexibility in design - with support of portrait, landscape, curved and L-shaped installations, you can have ultimate control to create the ideal display for your space.

## Screen uniformity all the time

Samsung's complete calibration solution ensures LED displays continuously maintain picture quality. Color Expert LED Mobile provides a quick and easy calibration, enabling efficient management.





# Outdoor

## Highlights

- IP66 rating (front/back)
- Intelligent fan control
- Rigorous performance testing
- Full redundancy of data signal & control board
- Power redundancy
- High brightness (7,000-8,000 nit)
- High refresh rate (7,680 Hz)
- Customizable design
- Front/rear service



## Built for the elements

Samsung's outdoor LED signage can withstand any environment through its redundant systems and weather-resistant features, which have been rigorously tested against the elements.

## Exceptional picture quality

Samsung's outdoor LED signage delivers clear images, no matter where it is installed. Eye-catching brightness combined with a high refresh rate, means content is clearly visible even in intense sunlight.

## Fully customizable design

With support for customized design, you can get the exact shape, size and curve for your display to meet any specifications. Curved walls, L-shaped or completely customized, you have endless options.

## Signage solution

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Installing a display is not the end. Samsung not only provides professional displays, but a comprehensive, all-in-one solution fully compatible with Samsung's SMART and LED Signage line-up, allowing you to intuitively manage and control all displays as needed from any location.

MagicINFO™

SSSP





# MagicINFO™

## Highlights

- Embedded templates & clip arts
- Dynamic visual effect
- Web content authoring
- Conditional scheduling
- Backup play
- Multi frame & channel management
- Device monitoring
- Error detection
- Direct remote control
- Security control
- Multi-video playback
- Web content playback



## Compelling content creation

MagicINFO™ provides comprehensive content creation tools in an easy-to-navigate interface. Users can design content from a variety of templates, clip art, visual effects and more to drive customer engagement.

## Streamlined content & device management

MagicINFO™ allows users to manage both content and device in a single platform, enabling easy scheduling, content distribution, in-depth monitoring and control capabilities to connected displays.

## Powerful playback even with web content

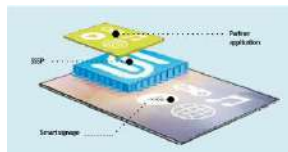
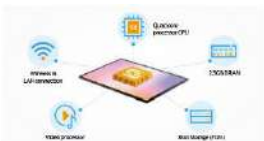
MagicINFO™ enables users to showcase content without requiring any external media player or a dedicated PC, ensuring uninterrupted and seamless viewing even for web-standard content.



# SSSP Samsung SMART Signage Platform

## Highlights

- Multi-video playback
- Picture-in-Picture (PIP) support
- Integrated Software Developer Kit (SDK)
- Web application emulator
- Application test automation Remote
- web inspector
- High HTML5 compatibility
- Three-layer protection
- NaCl support
- Node.js support
- PC-less VPN
- Samsung Remote Management support



## System on Chip

SSSP replaces external media players with a powerful embedded app launcher that provides a clutter-free configuration, allowing for greater efficiency and an overall lowered total cost of ownership.

## Integrated application development

SSSP is a fully integrated program that offers a versatile open platform and advanced SDK/API functionality. Partners can enjoy a developer-friendly platform to craft solutions that suit their operational needs.

## Remote management solution

Samsung Remote Management Solution is a central remote service that enables monitoring of devices. It synchronizes with a partners' CMS and provides a comprehensive review of hardware and content.



# Hospitality TV

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Drawing on leading TV expertise and picture technology, Samsung has introduced its hospitality TV, optimized for hotels. Now, you can allow your guests to have an at-home viewing experience in their hotel room, while managing all the TVs effectively.

QLED 8K

The Frame

The Serif

Crystal UHD

LYNK Cloud



# QLED 8K

## Highlights

- Real 8K resolution
- Quantum Processor 8K
- Direct Full Array 24x
- Object Tracking Sound+ (OTS+)
- Quantum HDR 16x
- 8K AI Upscaling
- Boundless design (4-Side)
- Ultra viewing angle 100%
- Color Volume with Quantum Dot
- Adaptive Picture
- Samsung LYNK Cloud support



## Real 8K resolution

Feel the power of every frame with 33 million pixels in ultimate clarity. Real 8K Resolution brings a new dimension of reality on large screens.

\* Real 8K Resolution is defined as having 7,680 x 4,320 pixels.  
\* Native 8K content based on current 8K streaming, connectivity and decoding standard.  
\* Future and certain party standards not guaranteed or may require additional device/adaptor purchase.  
\* Complimentary HDMI 8K 60A upgrade included (contact customer support).



## 8K AI Upscaling

The powerful intelligence of the Quantum Processor 8K upscales various source types and resolutions into 8K through the on-device deep learning algorithm.

\* Viewing experience may vary according to types of content and format. '8K AI Upscaling' may not apply to PC connection and Game Mode.



## Direct Full Array 24X

Densely concentrated zones of LEDs automatically adjust scene by scene for the fullest range of pure bright colors and inky blacks. Experience illuminating details with impressive contrast.

\* Direct Full Array Numerical Index based on backlighting, antireflection and contrast enhancement technologies.





# The Frame

## Highlights

- Art Mode
- 100% Color Volume with Quantum Dot
- Dual LED
- Adaptive Picture
- Ambient Mode
- Multi View
- Tap View (Android)
- Home App Samsung
- LYNK Cloud Support
- No gap wall-mount
- One Invisible Connection (included)



## Frame-look design

The Frame is a TV with an elegant and modern frame that seamlessly blends into the décor of any guest room. It not only enhances the space as a TV, it elevates the ambiance of the room as a work of art.



## No gap wall-mount

The no gap wall-mount allows The Frame to lay flush against a wall, looking as beautiful as framed art in museums. Gorgeous from all sides, it fits perfectly in any space.



## Art Mode

Experience the modern way to create an unmatched guest experience with great works of art - from the works of the masters to your hotel's unique imagery.



# The Serif

## Highlights

- 360 All round design
- Ambient Mode
- 100% Color Volume with Quantum Dot
- Adaptive Picture
- NFC on TV (Bluetooth Sound Streaming)
- Multi View
- Tap View (Android)
- Home App
- Samsung LYNK



### 360 All round design

The Serif fits flawlessly into any space, be it on a shelf or on a floor stand. Courtesy of minimalistic lines, the unique I-shape and rounded edges, The Serif looks beautiful from any angle.



### Tap View

To stream content from a smartphone, simply tap it on The Serif. Streaming favorite music and videos has never been easier.

\* Only available on Samsung mobile devices, running Android 8.1 or higher.  
\* Tap View is only active when the SmartThings app is installed and activated.



### Color Volume 100% with Quantum Dot

Only available on Samsung mobile devices, running Android 8.1 or higher. Tap View is only active when the SmartThings app is installed and activated.





# LYNK Cloud

## Highlights

- Device status monitoring
- Multi-site monitoring
- Remote firmware update
- Remote device setting Change
- Automatic credential removal
- Real-time message sending
- Web-standard content creation
- Custom preview support
- Interactive service support
- TV & service usage analysis
- User flow analysis



## Multiple properties management

Accessible online and supporting multiple users, Samsung LYNK Cloud is ideal for global hospitality operations with centralized management giving users control of hotel displays located across the globe.

\*LYNK Cloud does not support management of properties within China.



## Integrated device management

Samsung LYNK Cloud supports monitoring and remote access for in-room TVs to adjust channel map and program guide as well as controlling basic functions such as power and volume settings.



## Data-driven promotion analysis

Samsung LYNK Cloud enables optimized promotional content delivery based on integrated guest data available through the hotel PMS, helping managers to uncover business insights.

## Business TV

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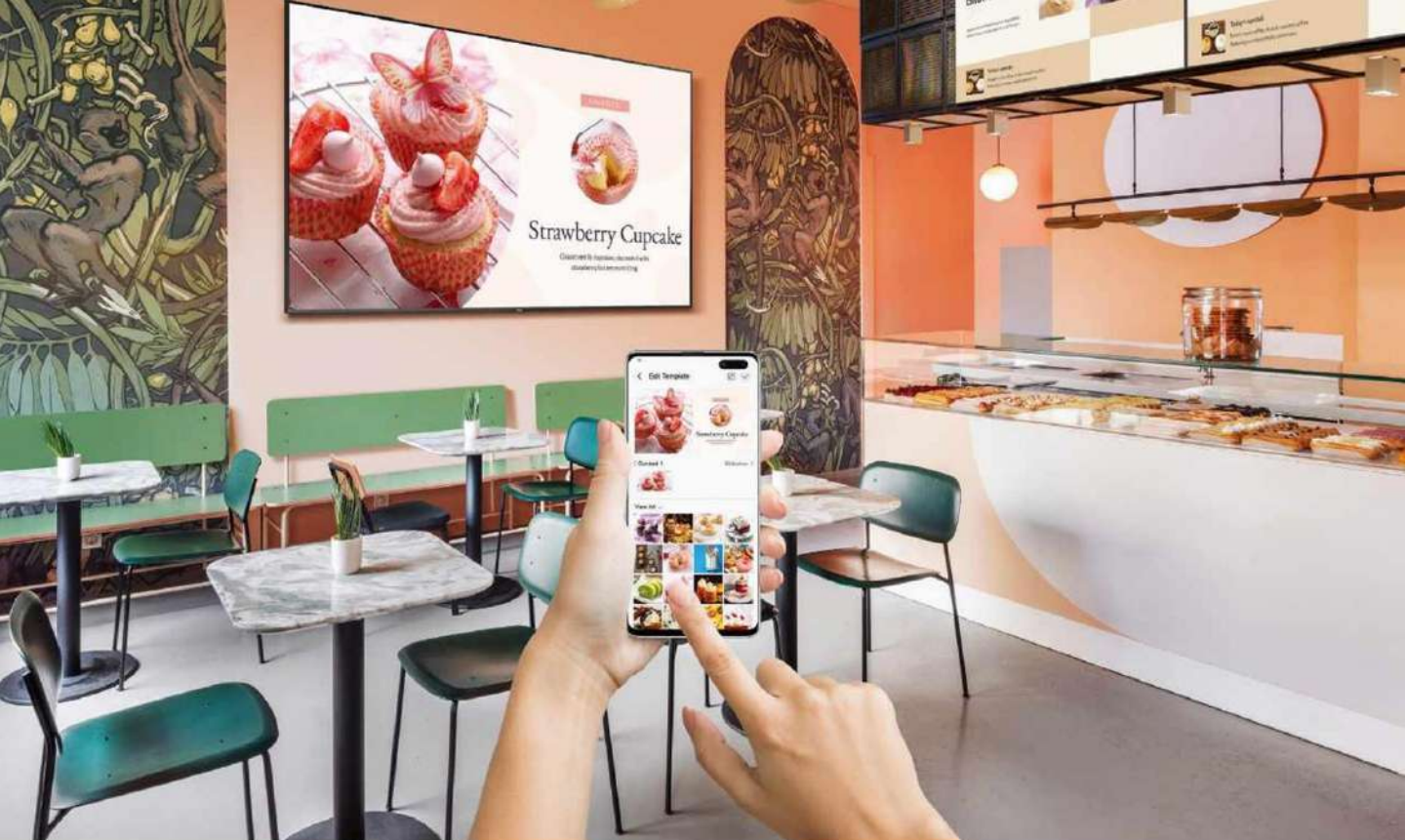
Meet the TV built for your business. Samsung's Business TV provides flexible functionality suited for a wide range of businesses looking to do more with the TV. It is the perfect solution for you looking for a straightforward and effective way to communicate with your customers.

Crystal UHD

The Terrace

The Sero





# Crystal UHD

## Highlights

- UHD resolution
- Crystal processor 4K
- Crystal display
- HDR
- 16/7 operation
- Boundless design (3-side) \*
- Clean cable solution
- Samsung Business TV app
- Auto on/off timer
- Security lock

\* Availability of the feature may vary by region



## Simply captivating

Deliver an eye-catching visual experience with UHD resolution in a range of sizes to fit any space or budget. Crystal Display ensures optimized color expression to better catch the attention of potential customers.



## Samsung Business TV app

The Samsung Business TV app with an incredibly simple interface and more than 100 pre-loaded templates, available for Android and iOS devices, provides convenience by allowing users to create and remotely manage content on connected Business TVs.



## Simplified operation

Spend less time dealing with technical issues. An on/off timer allows the TV to automatically operate during business hours and a pin-code protects the display settings, avoiding any potential content interruptions.



# The Terrace

## Highlights

- 1,500 nit brightness
- QLED 4K 120Hz
- Direct Full Array 16x
- Quantum Processor 4K
- Quantum HDR 32x
- Anti reflection
- Adaptive Picture
- 16/7 operation
- IP55
- Samsung Business TV app
- Auto on/off timer
- Security lock



## Ultra bright picture quality

With 4K QLED and the ability to deliver up to 1,500 nit brightness level, users can now experience award-winning picture quality and optimized visibility from any outdoor business environments.



## Weatherproof durability

IP55 weatherproof rating makes The Terrace a highly durable exterior TV, assuring full performance and protection from the outdoor elements including humidity, dust and heat.



## Elevated sound optimized for the outdoors

The Terrace Soundbar is an optimized solution for outdoor environments. With 3.0Ch, 210W powerful sound, IP55 weatherproof rating and clutter free connection with TV, it has never been easier for businesses to communicate with customers anywhere.





# The Sero

## Highlights

- QLED 4K display
- 100% Color Volume with Quantum Dot
- Rotating screen
- Portrait mode
- 4.1Ch 60W multi-channel speakers
- Mobile View : Tap View(Android), AirPlay2(iOS)
- Adaptive Picture
- Active Voice Amplifier(AVA)



## Rotating screen

When you physically rotate your smartphone, the TV screen follows suit. Whether you're indulging in vertical social media content, movies or sports, The Sero's versatility makes the best out of every experience.

## Tap View

Tap The Sero with your smartphone to mirror your mobile's content to the TV. Presto - see everything from Instagram stories to TikTok videos come to life in an instant.

\* Only compatible with Android

\* Tap View feature is available on Samsung mobile devices, running Android 8.1 or higher.

\* Tap View is only active when the SmartThings app is installed and activated.

## The Sero wheel

With The Sero wheel, stunning entertainment is wherever you want it to be. Simply attach the wheel underneath the TV and cart it from room to room with little effort.

\* The Sero wheels sold separately

# Monitor

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Work with a better view. Samsung's monitors are specifically designed to be extensively adjustable for maximum user comfort and less eye strain, which can significantly improve work efficiency and boost productivity.

1000R curved

Ultra-wide

High resolution

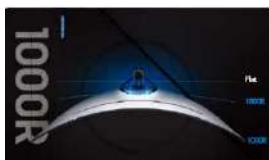




# Curved monitor

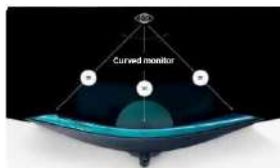
## Highlights

- 1000R curved display
- Eye comfort certificate from TÜV
- QLED technology
- Built-in speakers
- Infinity core lighting design
- 240Hz refresh rate
- 1ms response time
- Low input lag
- G-Sync compatible
- VESA HDR 1000



## Optimum Curvature

Introducing the boldest curve ever accomplished. This milestone, born from years of relentless innovation, changes the shape of visual display and pioneers the future of monitor technology.



## Easy on the eyes

In comparison to conventional monitors, 1000R closely fits the human field of view for less eye strain. The whole screen can be seen in just one glance to limit visual fatigue, even during sustained use.



## Certified 1000R

Samsung monitor receives a high performance curved display and eye comfort certificate for its superior 1000R from TÜV Rheinland; a leading international Testing, Inspection, and Certification body.



# Ultra-wide

## Highlights

- 32:9 Super Ultra-wide screen
- QHD Resolution
- PBP/PIP
- Easy Setting Box
- USB Type-C ports
- Multiple USB ports
- Thunderbolt™
- Built-in KVM Switch
- Eye saver mode
- Flicker free technology



## Display more documents at once

The panoramic viewing surface can support a number of open windows without scroll or zoom. Moreover, the ultra-wide panel eliminates the clutter and inconveniences of the traditional dual monitor setups.

## A better way to multitask

With Easy Setting Box, you can easily partition your display, or place multiple display of various sizes in different positions. Picture-by-Picture lets you display outputs from two devices.

## USB Type-C ports

USB Type-C ports that transmit power as well as data let you charge devices from the monitor. Connect laptop or mobile device to them to mirror its display onscreen and charge its battery at once.



# High resolution

## Highlights

- UHD resolution
- 1 billion colors
- UHD upscaling
- HDR
- 3,000:1 contrast ratio
- Wide viewing angle
- PBP/PIP
- Multiple inputs
- Stylish design
- Versatility (HAS/Tilt/Swivel/Pivot)



## Widescreen UHD

With 4x the pixels of Full HD, the Samsung UHD monitors deliver more screen space and amazingly life-like UHD images. That means you can view documents and webpages with less scrolling, work more comfortably with multiple windows and toolbars.



## Reveal every detail

Samsung UHD monitors display crisp and clear images or text with much greater sharpness. So you enjoy higher readability with reduced eye strain in office environments that require long work hours.



## Be multi-productive

PBP transforms a single monitor to a dual-view monitor by displaying content from two sources side by side on one screen. With PIP, see and organize multiple apps and programs exactly how you want to.





# Street Furniture / Bus shelter

## Outdoor signage: OHF / OHN / OHN-D series



### Unsurpassable visibility

Samsung's outdoor signage allows for exceptional, consistent content delivery with maximum 3,300 nit brightness\* and 24/7 performance for outdoor display at airport. With a built-in dimming sensor, the display automatically adjusts the brightness based on the external lighting environment, saving operating expenses and power consumption.

\* Brightness varies by model.



High Visibility



Dimming Sensor



24/7 Operation



Embedded Media Player



### Resistant to outdoor elements

Samsung outdoor signage is verified to perform in outdoor settings. IP56-rated protection\*\* ensures the signage will withstand physical impact as well as dust\*\*\*, humidity or other outdoor elements that could affect the display.

\*\* Additional glass needed for kit type.

\*\*\* Ingress of dust is not entirely prevented, but will not accumulate in sufficient quantities to interfere with the satisfactory operation of the equipment.



High Durability



Weather Proof



IP56 Certification



Magic Protection Glass





# Billboard

## Outdoor LED signage: XPE series



### Superior image quality regardless of conditions

Samsung's XPE series LED signage delivers excellent image quality that captures audience eyes even in challenging environments. Through two-step in-depth calibration, enhanced image processing and an industry-best contrast ratio, the displays deliver accurate and consistent color quality content with a high refresh rate. The XPE series also is equipped to deter light interference, and produce bright images regardless of conditions.



High Refresh Rate



High Brightness



Superior Contrast



Two-step Calibration



### High reliability with proactive expert support

Each XPE series signage undergoes rigorous environmental testing to ensure uninterrupted performance. C3 Contamination and Ionograph testing deters circuit contamination and extends shelf-life. Complementary Climate and Humidity and Salt Fog Chamber exposure additionally ensures performance in variable weather conditions and wet and corrosive elements. In addition to enhanced durability, from inception to installation, Samsung makes the easy outdoor signage experience easy, providing round-the-clock service.



IP65



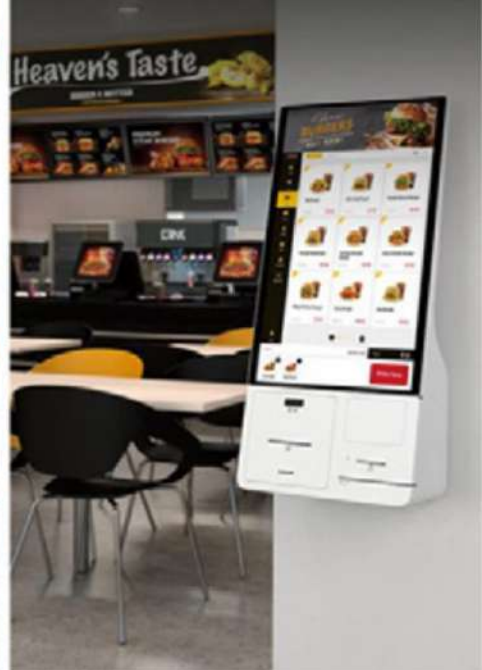
Corrosion Proof



Deformation Proof



End-to-end Project Management



# Self-ordering Kiosk

## KMA Series

### Key features



#### Modular functionality to support any payment type

The Samsung Kiosk adopts a modular design which provides a variety of payment options including credit card, barcode, QR code and NFC, along with a built-in printer. This means it needs no additional peripherals for an advanced, all-in-one solution that also makes maintenance fast and easy.

\* Samsung Kiosk supports a fully integrated EMV reader for a business terminal (P400) which varies by region and country.

\* EMV terminal must be purchased separately.



#### Compact and modern design

Samsung Kiosk is composed of a single display part and connection box, along with an optional stand. The design enables clean and convenient cable management while the grey-white color and simple stand means the kiosk blends perfectly into any store interior with a stylish look. Three installation types – countertop, floor stand and wall-mounting – also means the kiosk can be utilized in a range of business environments.

\* Wall mount must be purchased separately.



#### Helpful, safe interactions

The next-generation kiosk inhibits microbial growth to help protect against certain bacteria with a zinc-based additive for customer interactions. So, customers can worry less about germs, and keep focus on what's on the screen. The shatterproof film over the display also enhances customer safety by ensuring that glass doesn't spatter even if it's broken.

\* To perform its antibacterial function, this product has been treated with the bioactive substance Zinc Pyrithione.

\* Antibacterial property does not protect users against bacteria and provides no protection against viruses including Covid-19.

\* Antimicrobial Coating is on surface of screen only and the effect may vary depending on kind of bacteria or conditions of use.

\* Antibacterial effect against MRSA which is gained when the antibacterial effect is more than 99%.

(Test method: JIS Z 2801) after one week of 10-AU of liquid with bacteria (e.g. E. coli and Staphylococcus aureus) on specimen (test area).

\* Zinc, a natural disinfectant, is adhered and left in a thermal treatment with a relative humidity of 10% or more at 55°C for 24 hours, and then the efficiency of killing of the bacteria is measured. / Test agency: SRI, Seoul Research Institute.

\* For further details regarding regional restrictions on the antibacterial function, please refer to each country's Samsung.com website.

\* A shatter-proof film is applied to the screen to help mitigate the hazard of shattering glass, but it does not protect the screen from physical impact.



#### Powerful solution with no PC needed

Samsung Kiosk is built based on Samsung's proven SoC (System on Chip) technology. This enables the kiosk to function without the need for an external PC, further highlighting Samsung's leadership in the PC-less solution space, while delivering powerful and reliable technology.





# Samsung Onyx

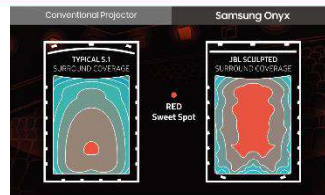
## The World's First Cinema LED Screen



### Onyx View

#### Deliver an Exceptional, LED-Quality Presentation

A key component of its large-format LED signage, Samsung Onyx brings the visual power of High Dynamic Range (HDR) picture quality to the big screen. The HDR integration ensures all 4K aspect ratios, regardless of the featured content. Additionally, the Samsung Onyx leverages ultra-contrast and low-tone grayscale settings to achieve bright colors, deep blacks and pristine whites at a nearly infinite contrast ratio.



### Onyx Sound

#### Complement Next-Level Picture with Powerful Audio

For the average cinema-goer, audio presentation is just as valuable to the movie viewing experience as picture quality. To meet these demands and bring on-screen content to life, Samsung pairs its Onyx screens with HARMAN's JBL surround sound speakers. HARMAN's audio processing technologies expand venues' "audio sweet spot", eliminating rearward bias and guaranteeing that every cinema guest receives the same high-quality sound at any seat.



### Onyx System

#### Achieve Long-Term Cinema Screen Performance with Less Hassle

Samsung Onyx screen reduces operational costs and empowers more efficient cinema management. The screen's cabinet structure allows for fast modular repair, preventing long delays or cancellations. Operators also can trust ultra-high speed semi-automatic calibration to restore picture quality and maintain uniformity. An all-in-one locking system also provides optimal security for IMB player, preventing damage or external tampering risks.



## Our Clients







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