



Samsung QSR Display Solutions

Integrated digital signage delivering compelling images and information at QSRs

SMART Signage | Outdoor Signage | Touch Display | SSSP Solution | MagicINFO Solution

SAMSUNG



Dynamically reinvent the QSR industry with powerful, vibrant digital displays

Standing-out from the competition in Quick Service Restaurants (QSR) is sometimes harder than it sounds. That is why restaurants are relying on Samsung's QSR display solutions to highlight its products and services, creating a modern day customer experience.

Not only do QSR have to focus on the competition, it has to watch the mobile/app food ordering and food delivery services, as those are becoming more of a trend. With all these changes, the QSR industry has had to make rapid changes in how they present information to customers. Presenting menu items with vivid images, accurate information and orders being prepared correctly and promptly are more important than ever.

Samsung's QSR displays not only help these businesses meet those expectations, they help improve the three values to the industry – speed and accuracy, maximize profits and premier brand awareness. By digitizing and modernizing the QSR industry, Samsung's displays are the perfect partner for these businesses.

Speed and accuracy

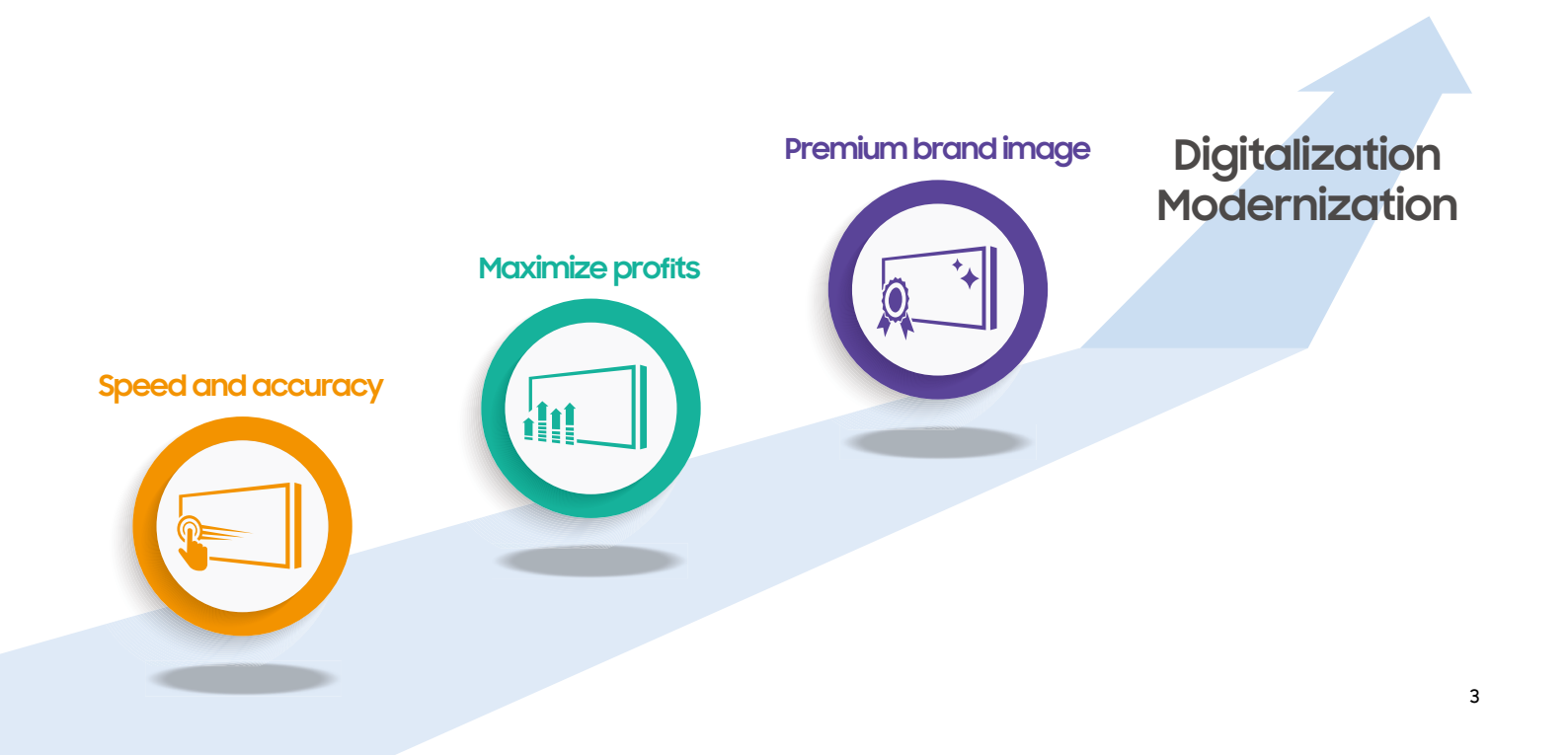
One of the keys to a QSR's success is the ability to provide customers with their food quickly and correctly. Samsung's QSR digital displays create an improved customer experience by offering them multiple ways to order their food that fits their needs. In the modern QSR setting, customers can now order their food via a self-service kiosk, mobile ordering or a drive-through line.

Maximize profits

Samsung's digital display creates a great customer experience, but they can also increase the QSRs revenue by recommending premium or high-value items first. QSRs can also customize appetizers, sides and meal plans they want the customers to choose from on the digital display, which could grow the businesses revenue.

Premium brand image

Effectively presenting food is not only an important part of the QSR industry but creating a positive brand awareness is equally as important. Samsung's digital displays create a modern and sophisticated interior at QSRs, increasing customer's perception of the brand. If customers are impressed with the inside of a restaurant, they are likely to return.



What samsung offers

Using Samsung's full-line of digital displays allows the QSR industry to revitalize its stores and creates a modern and forward-thinking restaurant. Whether the signage is used indoors or outdoors, consumer facing or employee facing, digital signage makes an impressive statement, commanding attention from consumers and competitors alike. Samsung has used its knowledge and technology to reinvent the fast-food industry.



Outdoor digital menuboard



Outdoor signage



Semi-outdoor signage

Indoor digital menuboard



UHD signage



FHD signage

Self-order kiosk



Interactive display



Management solution



MagicINFO solution



Samsung smart signage platform

Attraction display



Indoor LED signage



Video wall display

Crew management solution



Interactive display



Business monitor



Outdoor digital menuboard

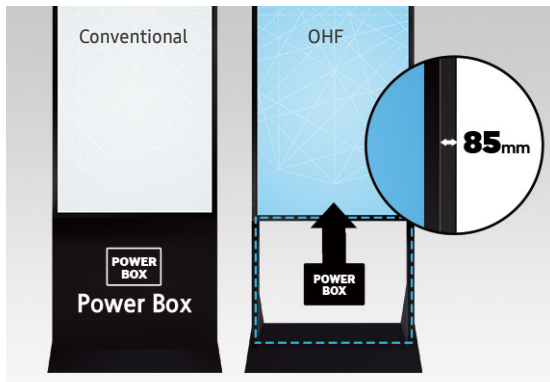
Deliver clear and precise information regardless of the weather condition

Samsung's outdoor digital was designed to withstand many different weather elements. From high temperatures, direct sunlight, rain, snow and even dust and dirt, businesses are assured that its digital signage will perform continuously with the most vibrant images available. The digital displays went through rigorous testing to validate the durability of the signage, from extreme temperature and moist chambers, Samsung ensured its reliability in any setting including vandalism.

Through rain or shine, Samsung's digital signage projects the most realistic and bright images for consumers as they approach the menu board. No matter the time of the day, light interference is banned, maintaining the brightness of the display at all times. Along with the vibrant images, the digital signage must be available 24/7, working around the clock. In addition, with its 2,500-nit high brightness, 5,000:1 contrast ratio and anti-reflection glass, content will be visible under direct sunlight.

The outdoor signage is not only reliable, but it also has a sleek, all-inclusive slim depth design with an embedded power box. Also included is the filter-less, self-cooling technology that allows the display to be easy to maintain and a reduced TCO. With an easy to install process, businesses are able to assemble its digital signage quickly and effortlessly.

Outdoor signage: OHF series



Durable design for outdoor usage

Samsung's digital displays are designed with a sleek and strong built-in control box and network core, making this the ideal display for QSRs outdoor needs. Installation is simple and regardless of the users IT abilities, these digital displays can be operated effortlessly. Backed by the IK-10, IP56 guarantees, QSRs know the display will perform 24/7, without failure. Lastly, these digital displays include a state-of-the-art, non-filter cooling-system that is also energy efficient.



All in One Design



Power box embedded



Cooling System



24/7 Operation



Robust performance outdoors

Samsung's QSR displays project a phenomenal 2,500-nit brightness for impressive images and text. With an unsurpassed 5,000:1 contrast ratio, all content presented outdoors is crisp and vibrant. Its circular polarizing technology reduces display blindness and the Magic Glass technology creates a durable, anti-reflective screen for easy visibility.



High Brightness



Auto Brightness Sensor

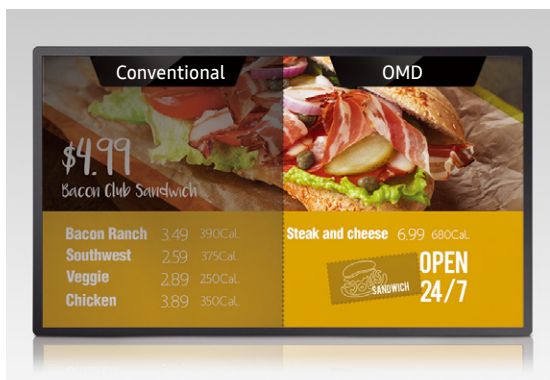


Superior Durability



Magic Protection Glass

Semi-outdoor signage: OMD series



Brilliant presentation in any environment

Samsung's digital displays for the QSR industry allows businesses to attract more customers to its restaurants with its sleek design and outstanding visual performance in any surrounding. With the ability for businesses to tailor the brightness of a display to meet their needs, they are also able to manage their energy consumption with a sensor imbedded in the display.



High Brightness



High Contrast Ratio



Polarized Sunglasses



Anti Blackening



Powerful functionality with multiple operational uses

An ergonomic design and pivot abilities, Samsung's digital displays are an ideal partner for the QSR industry. The displays remain quiet even while in operation mode and its innovative design allows the display to have a constant and reliable connection throughout the business day while being energy efficient at the same time.



Noiseless Solution



Energy Efficient Technology



Superior Durability



Built-in Wifi



Indoor digital menuboard

Entice customers with highlighted menu items that true-to-life, increasing hunger

Designed to present customers with the most vibrant, clear and crisp content on any menu board, Samsung's QSR digital displays are the greatest compliment to any QSR. With its non-glare, high bright and contrast panel, QSRs present customers information clearly. Information on the digital displays should not only be enticing but should also be up-to-date. Customers need the most accurate information when making their menu selection, and the displays ensure restaurants are able maintain menu selections at all times.

Restaurants also want the ability to feature menu selections or promotions when customers enter the business. Samsung's digital signage gives owners the opportunity to advertise premium menu items, highlight features, seasonal specials or specialty items with visual images to stimulate customers hunger, increasing revenue for the business.

Digital signage in a restaurant could also list the nutrition and allergen information clearly for customers to view, without being obtrusive or taking away from the ordering process. This detailed information is being asked by customers more and restaurants can address these concerns, creating a safe dining experience.

With enticing images, informed customers and recommended entrees, restaurants can easily manage its businesses with secure, remote hardware and software that can easily respond to change quickly and easily. Samsung's digital displays included the most state-of-the-art technology that gives users the ability to control single or multiple displays at one time effortlessly.

UHD signage: QMN / QBN series



Intelligent picture quality

Whether a restaurant is featuring a new menu item or highlighting a limited-time promotion, restaurants need to provide clear and concise information to the customers at all times. Samsung's digital displays help businesses achieve these goals with its Intelligent Picture Quality technology. This technology transforms content from any source to UHD-level quality with optimized on-screen graphics, deploying food images that true-to-life. With Samsung's digital displays, restaurants are assured of consistent performance throughout each shift.



Intelligent UHD



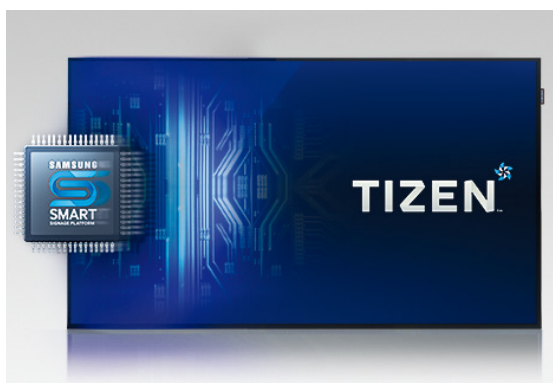
Intelligent HDR+



Intelligent Picture Mode



Anti Glare



Extraordinary operating features

Samsung's digital displays have remote hardware and software capabilities that allow users to monitor the displays, regardless of their location. With its integrated technology, users no longer need to rely on a PC or media player, the display has it all included. Users effortlessly control the display with its flexible display management tools and are assured of its uninterrupted performance 24/7. Also included in the display is a state-of-the-art security system featuring Samsung's Knox and Tizen operating systems.



Powerful Performance



Easy Development

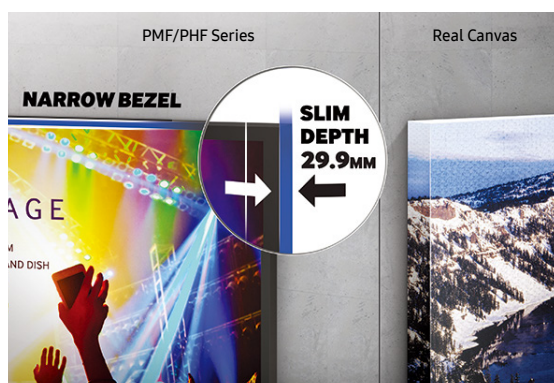


Business Expandability



24/7

FHD signage: PHF / PMH series



Clear content delivery with slim design

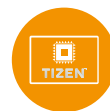
Samsung's TIZEN-powered PMH series is not only powerful but is also a sleek and sophisticated display. For use in any business setting, the PMH series' robust picture guarantees brilliant images, no matter the material being presented. Built to be reliable and long-lasting, this display performs with continuous pictures enabling consumers to be assured their messages will be delivered as expected.



FHD



Slim Depth



SoC



Embedded Solution



Advanced user friendly tools

QSRs are looking to modernize its environment and are beginning to incorporate Samsung's digital displays throughout its stores. Samsung's digital displays with FHD picture quality, allows users to incorporate an entry-level display into their businesses at a reasonable price and without sacrificing picture quality. Included in these models are convenient pivot functionality for displaying content in many different directions. In addition, the displays work with little noise, not taking away from the content being delivered while being energy efficient.



Seamless Playback



Centralized Management



IPSX



Central IR



Self-order kiosk

Accelerate the ordering and checkout process with digital signage

Self-ordering kiosks introduced to QSR allow customers to place their own order instead of waiting in line, increasing customer satisfaction. With vivid imagery of the menu, customers can choose and customize their order with ease with little engagement with the staff.

Interactive display: PMF-BC series



Comfortable, multi-point capacitive touch communication

Through capacitive touch technology and a user-friendly design, Samsung's PMF-BC displays foster a comfortable, easy-to-navigate digital writing experience. The interactive displays can accommodate 10 Unique touch points* while maintaining the smooth, familiar feel of analog board or pen-and-paper writing, and without interference from dust, sunlight or other natural variables.

*The number of available touch points varies depending on configuration. Connected external PCs provide the PMF-BC display with 10 touch points, while the integrated operating system supports two additional touch points.



Seamless Touch



Multi Touch



Fast Response time



Intuitive UI



Take control at a QSR with Samsung's self-service kiosks

Samsung's impressive digital display includes a robust glare-free panel that is not only dependable, but also built with a dust-resistant design. The display was developed to have consistent, 24-7 performance but also be resilient and powerful. The unyielding design does not allow dust in the display and includes an anti-glare panel to tolerate any environment.



Dust Resistant



Sunlight Resistant



High Reliability



Central IR

Samsung's solutions and services

Manage QSR digital signage with Samsung's innovative technology solutions

Intuitive management solutions to control digital displays throughout QSRs, allowing users to create and update information easily and as needed.

Samsung's QSR solution

SSSP solution

The Samsung Smart Signage Platform (SSSP) is an, open-source all-in-one solution that is embedded in Samsung's SMART signage and doesn't require any additional devices to communicate with the server and play digital media. Managing digital signage has never been easier with SSSP platform that essentially replaces an external media player with a SoC-based app launcher. SSSP is a robust platform that is designed to give partners the freedom to create software on their Samsung displays, resulting in an integrated media player.



Versatile Open Platform



SDK/API Functionality



Diverse Product Line-up



Integrated All-in-One Solution



Powerful Performance



Space Saving



TCO Saving



Reliability

MagicINFO solution

Samsung's comprehensive MagicINFO platform can remotely manage both hardware and software through one single-point management system. With this solution, QSRs can conveniently create, schedule and deploy content across its entire digital signage network. MagicINFO enables content teams to update menu and promotion information from any location at any time that creates greater user control from one central location. The platform also is compatible with a host of display types, ensuring the delivery of compelling content regardless of the operational framework.



Real-time Data



Variable Tag



Device Group Code



Advanced Back-up Play



Security Control



Remote Control



Device Monitoring



Error Detection

Remote management solution

For a SSSP Partner that has its own CMS solution, Samsung MagicINFO Remote Management Solution is a perfect fit for advanced needs. Samsung Remote Management Solution allows in-depth remote monitoring of the digital devices and eliminates the need for site visits or service calls. The Remote Management Solution platform synchronizes with QSRs' CRM and provides a complete review of hardware and display content. Though its install package is the same with MagicINFO Server, there is a separate license key for Samsung's Remote Management Solution.



Remote Control



Web Browser Control



Security Control



Remote Software Update



Error Detection



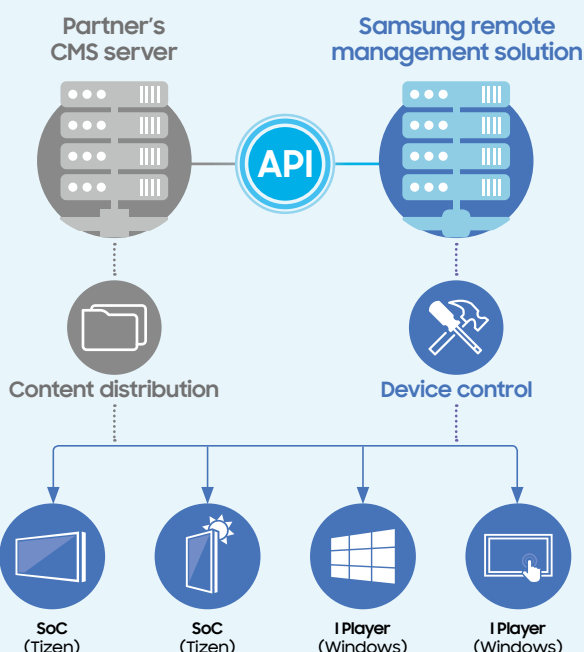
Mobile Access



Device Statistics



Device Group Code





Attraction display

Capture customer's attention with impressive digital images and messages

Large digital displays presenting customers with menu items are the focal point of any QSR, creating a high-end dining experience. These dynamic displays deliver information to customers while waiting to place an order and can increase sales by encouraging certain items.

Indoor LED display: IF series



Showcase brilliant true-to-life imagery

Through in-depth color management, Samsung's IF series has the ability to preserve constant graduation of images, ensuring pictures are true-to-life. The display uses technology that is nearly twice as high as the standard LED, showcasing all the displays content brilliantly. The IF series contains dynamic peaking technology that elevates images while removing interference from natural lightening.



LED HDR



Dynamic Peaking



Color Management



Fine-tune Uniformity

Video wall display: UHF-E series



Deeper visual impact with thin bezel

Samsung created the extreme narrow bezel video wall to be a robust display that is impactful but not intrusive. The wall has a 1.7mm bezel-to-bezel width that yields a seamless picture across multiple screens, and is configured to the user's needs without being bulky. Samsung's video wall is a non-glare display that distributes light through the screen, while preserving the vivid pictures and original information.



Narrow Bezel



Non Glare



Enhanced Uniformity



High Contrast Ratio



Crew management solution

improve crews' collaboration and productivity with interactive display and business monitor

Create a productive working space where team members can actively participate and share ideas regardless of their location in the room.

Interactive Display: Flip



Modernized meeting space for QSR

As meetings are becoming more important in businesses, it is imperative to engage and collaborate with team members effectively during the time allotted. Samsung's digital signage offers many different options to businesses to incorporate these displays into a meeting space. The Flip is an ideal option as members can write, delete and edit content being presented, save the information and email it to all the participants after the meeting has concluded. Also, with a screen-lock function, this versatile display can be utilized as an instant menu board.



Touch



Capture



Preview & Navigation



Lock/Unlock

Business monitor



Flexible configuration

Building a visually appealing video wall that is customizable allows users freedom to design a distinctive display that is exclusive to them. The video wall attaches to a surface with wall mounts sized to dimensions of the video and hidden with no distractions. An easy to understand installation guide elevates steps during installation. User-friendly design and wall mounts allow for more precision video wall that performs.



Swivel



Height adjustment



Pivot



Tilt

Specification

Outdoor signage

	Project	Screen Size	Resolution	Brightness	Contrast Ratio	Operation Hour	Certification	Connectivity	S/W
Outdoor	OHF	46"	1920 x 1080	3000nit	5000:1	24/7	IP56 Certified	2 HDMI, HDBaseT(LAN Common), HDCP 2.2, USB 2.0, Stereo Mini Jack(out), RS232C (In/Out), RJ45 (In/Out), HDBaseT	Built-in MagicInfo Player S4, SSSP 4.0
		55"	1920 x 1080	2500nit	4000:1	24/7	IP56 Certified	2 HDMI, HDBaseT(LAN Common), HDCP 2.2, USB 2.0, Stereo Mini Jack(out), RS232C (In/Out), RJ45 (In/Out), HDBaseT	Built-in MagicInfo Player S4, SSSP 4.0
		75"	1920 x 1080	2500nit	5000:1	24/7	IP56 Certified	2 HDMI, HDBaseT(LAN Common), HDCP 2.2, USB 2.0, Stereo Mini Jack(out), RS232C (In), RJ45 (In), HDBaseT	Built-in MagicInfo Player S4, SSSP 4.0
		85"	3840x2160	2500nit	3000:1	24/7	IP56 Certified	2 DP1.2 @UHD 60Hz, 2 HDMI 1.4 @UHD 30Hz, HDBaseT, HDCP1.4, USB 2.0, Stereo Mini Jack(out), RS232C (In), RJ45 (In), HDBaseT	-
Semi Outdoor	OMH	32"	1920 x 1080	1000nit	3000:1	16/7	-	1 DP, 2 HDMI, HDCP1.4, USB 2.0, Stereo Mini Jack(out), RS232C (In/Out), RJ45 (In/Out), HDBaseT	Built-in MagicInfo Player S4, SSSP 4.0
	OMD-W	46", 55", 75"	1920 x 1080	2500nit	5000:1	24/7	-	Analog D-SUB, DVI-D, Display Port 1.2, 2 HDMI, Component(CVBS Common), HDCP1.4, USB 2.0, Stereo Mini Jack, RS232C (In/Out), RJ45	Built-in MagicInfo Player S2, SSSP 2.0

Standalone signage

	Project	Screen Size	Resolution	Brightness	Haze	Operation Hour	Connectivity	Operating System	S/W	IP5x Certification
UHD	QMN	43", 49", 55", 65", 75"	3840 x 2160	500 nit	Non-Glare	24/7	In : DVI-D(1), DP1.2(1), HDMI 2.0(2), USB 2.0(2), RS232C, RJ45 Out : HDMI 2.0(1), RS232C	Tizen 4.0	Built-in MagicInfo S6, SSSP 6.0	O
	QBN	43", 49", 55", 65", 75"	3840 x 2160	350 nit	Glare	16/7	In : DVI-D(1), HDMI 2.0(2), USB 2.0(2), RS232C, RJ45 Out : RS232C	Tizen 4.0	Built-in MagicInfo S6, SSSP 6.0	O
	QMH	49", 55", 65"	3840 x 2160	500 nit	Non-Glare	24/7	In : DVI-D(1), DP1.2(1), HDMI 2.0(2), USB 2.0(2), RS232C, RJ45 Out : HDMI 2.0(1), RS232C	Tizen 3.0	Built-in MagicInfo S5, SSSP 5.0	O
	QMF	75", 85", 98"	3840 x 2160	500 nit	Non-Glare	24/7	In : DVI-I(1), DP1.2(2), HDMI 1.4(4), USB 2.0(1), RS232C, RJ45 Out : RS232C	Non-SoC	-	X
	QBH	65", 75"	3840 x 2160	300 nit	Glare	16/7	In : DVI-D(1), DP1.2(1), HDMI 2.0(2), USB 2.0(2), RS232C, RJ45 Out : RS232C	Tizen 3.0	Built-in MagicInfo S5, SSSP 5.0	X
FHD	PHF	43", 49", 55"	1920 x 1080	700 nit	Non-Glare	24/7	In : DVI-I(1), DP1.2(1), HDMI 2.0(2), USB 2.0(2), RS232C, RJ45 Out : DP1.2(1), RS232C	Tizen 2.4	Built-in MagicInfo S4, SSSP 4.0	O
	PMF	32"	1920 x 1080	400 nit	Glare	16/7	In : DVI-I(1), DP1.2(1), HDMI 2.0(2), USB 2.0(2), RS232C, RJ45 Out : DP1.2(1), RS232C	Tizen 2.4	Built-in MagicInfo S4, SSSP 4.0	X
	PMH	43", 49", 55"	1920 x 1080	500 nit	Non-Glare	24/7	In : DVI-I(1), DP1.2(1), HDMI 2.0(2), USB 2.0(2), RS232C, RJ45 Out : DP1.2(1), RS232C	Tizen 2.4	Built-in MagicInfo S4, SSSP 4.0	O
	DBE	32", 55"	1920 x 1080	350 nit	Glare	16/7	In : DVI-D(1), HDMI 1.4(1), D-Sub(1), CVBS(1), USB 2.0(1), RS232C, RJ45 Out : HDMI 2.0(1), RS232C	Orsay	Built-in MagicInfo S3, SSSP 3.0	X
	DBJ	43", 49"	1920 x 1080	300 nit	Glare	16/7	In : DVI-D(1), HDMI 1.4(2), USB 2.0(1), RS232C, RJ45 Out : HDMI 2.0(1), RS232C	Tizen 3.0	Built-in MagicInfo S5, SSSP 5.0	X
	DCE	32", 55"	1920 x 1080	350 nit	Glare	16/7	In : DVI-I(1), HDMI 1.4(1), CVBS(1), USB 2.0(1), RS232C, RJ45 Out :	Simple SoC	Built-in MagicInfo Lite	X
	DCJ	43", 49"	1920 x 1080	300 nit	Glare	16/7	In : DVI-I(1), HDMI 1.4(1), CVBS(1), USB 2.0(1), RS232C, RJ45 Out :	Simple SoC	Built-in MagicInfo Lite	X

Interactive display

Project	Screen Size	Resolution	Brightness	Touch Type	Touch	Connectivity	Operating System	S/W	Remark
PMF-BC	32" 43" 55"	FHD	300 nit (32") 350 nit (43") 400 nit (55")	Capacitive touch	10 touch	In : DVI-I(1), DP1.2(1), HDMI 2.0(2), USB 2.0(2), RS232C, RJ45 Out : DP1.2(1), RS232C	Tizen 3.0	Built-in MagicInfo S4, SSSP 4.0	Center IR, Glare-Free Visual Quality, IP5x certification

MagicINFO solution

	Number of displays connecting to MagicINFO Server			
	<200	<2000	<5000	>5000
OS	Windows Server® 2008 / 2012 / 2016			
CPU	Intel Xeon E3-1200 or better	Intel Xeon E5-2400 or better	Intel Xeon E5-2600 or better	Intel Xeon E5-4600 or better
RAM	4 GB or more	8 GB or more	16 GB or more	32 GB or more
HDD	At least 100 GB for basic setup (operating system and server application) *Heavily dependent on the amount of content data to be stored on the server			
Network Bandwidth	64 kbps or better			
Number of Servers	1	2	3	3 or more; dependent on scenario

LED signage

	Project	Pixel Pitch	Diode Type	Max Brightness (※ Dynamic Peaking applied)	Contrast Ratio	Certification	Cabinet Size	Weight	Service	IP Rating
Indoor	IFJ	P1.2	Surface Mount Device	1200 nit	4,000:1	EMC Class B, Safety 60950-1	806.4x453.6x76.7mm (LxHxD, per cabinet)	11.8kg/cabinet	Front Service and Part Rear Service	IP20
	IFH	P1.5, 2.0, 2.5	Surface Mount Device	1600 nit(P1.5) 2400 nit(P2.0, 2.5)	5000:1	EMC Class A, Safety 60950-1	480x540x65mm (LxHxD, per cabinet)	5.8kg/cabinet	Front Service and/or Rear Service	IP20
	IFH-D	P2.5, 4.0, 6.0	Surface Mount Device	2400 nit (P2.5) 1700 nit (P4.0) 1800 nit (P6.0)	5000:1	EMC Class A, Safety 60950-1	480x720x65mm (LxHxD, per cabinet)	7.4kg/cabinet	Front Service and/or Rear Service	IP20

Video wall display

Project	Screen Size	B-to-B(mm)	Bezel Width	Resolution	Brightness	Haze	Operation Hour	Connectivity
UHF-E, UMF-E	55"	1.7mm	1.15 mm(U/L), 0.55 mm(R/B)	1920 x 1080	700 nit(UHF-E), 500 nit(UMF-E)	25%	24/7	Analog D-SUB, DVI-D, Display Port 1.2, 2 HDMI, Stereo mini Jack(in/out), DP1.2(Loop-out), RS232C(in/out), RJ45, Detachable type external sensor (IR, Ambient)
UDE-A, UDE-B	46", 55"	3.5mm	2.3 mm(U/L), 1.2 mm(R/B)	1920 x 1080	700 nit(UDE-A), 500 nit(UDE-B)	25%	24/7	Analog D-SUB, DVI-D, Display Port 1.2, 2 HDMI, Stereo mini Jack(in/out), DP1.2(Loop-out), RS232C(in/out), RJ45, Detachable type external sensor (IR, Ambient)
UHF5	46"	5.5mm	3.4 mm(U/L), 2.0 mm(R/B)	1920 x 1080	700nit	11%	24/7	DVI-D, Display Port 1.2, 2 HDMI, Stereo mini Jack(in/out), DP1.2(Loop-out), RS232C(in/out), RJ45, Detachable type external sensor (IR)

Flip

Project	Screen Size	Resolution	Brightness	Touch Type	Touch	Connectivity	Operating System	S/W	Remark
Flip	55"	3840 x 2160 (Landscape) 2160 x 3840 (Portrait)	300 nit	Inglass Touch	4 drawing, Passive Pen	HDMI 1, Touch Out 1, USB 2	Tizen 3.0	Flip S/W	Moving Stand with advanced Pivot

Monitor

	Screen Size	Flat/Curved	Resolution	Brightness	Viewing angle	Connectivity	USB-C	Eye Saver Mode
CJ89	49", 43"	Curved	3840x1080(49") 3840x1200(43")	300cd/m2	178°(H)/178°(V)	HDMI, DP, USB Hub	Yes(2EA)	Yes
CHG90	49"	Curved	3840x1080	350cd/m2	178°(H)/178°(V)	HDMI 2, DP, mDP, USB Hub	N/A	Yes

About Samsung

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For more information

For more information about Samsung Interactive Display, SMART LED Signage, SMART Signage, and Business Monitor, visit www.samsung.com/business or www.samsung.com/displaysolutions

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