About Samsung

Samsung inspires the world and shapes the future with transformative ideas and technologies. The company is redefining the worlds of TVs, smartphones, wearable devices, tablets, digital appliances, network systems, and memory, system LSI, foundry and LED solutions. For the latest news, please visit the Samsung Newsroom at http://news.samsung.com.

For more information

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

Samsung
Sports Display Solutions

Creating a connected and immersive experience for spectators

LED Signage | Outdoor Signage | SMART Signage | Interactive Display | MagicINFO Solution

SAMSUNG

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Dynamically transforming fan engagement and viewing experience for any sport

Sports facilities must focus more than ever on creating a modern, immersive experience. The end-to-end capabilities of Samsung's sports display solutions offer businesses everything they need, from LED to standalone signage, to monitors, innovative software and facility management.

Samsung's sports display solutions offer businesses everything they need to create an immersive experience

Revenue maximization

Samsung's sports display solutions create a great customer experience, while also maximizing the opportunity to influence purchasing decisions and ultimately increase revenue. Dynamic displays throughout the sports facility provide visitors and fans with interactive information, touch screen ticket machines, food menus, directions to the shop and accompany them throughout their journey, from the entrance right to their seat.

Entertainment

One of the most important elements at any sports facility is creating an immersive, engaging experience. Samsung's sports display solutions ensure that every visitor feels a part of the game like never before by offering an optimum view from anywhere, while in-seat ordering means spectators never have to miss a minute of the action.

Effective management

Efficient and effective operation is just as critical to provide a first-class customer experience. A control center with multiple monitors and videowalls helps to increase efficiency by broadcasting live information to the home team, ensuring complete and centralized visibility across the facility. A network operation center (NOC) also provides 24/7 support, recognizing and diagnosing issues before they impact customers.

What Samsung Offers

Samsung's end-to-end sports display capabilities offer a comprehensive portfolio of solutions that make an impressive statement, command attention from visitors throughout any facility and create a unique experience through state-of-the-art technology. From large displays through to intelligent software, Samsung gives users the capability to provide interactive information, special offers and facility information, supported by operational efficiency and analytical insights.
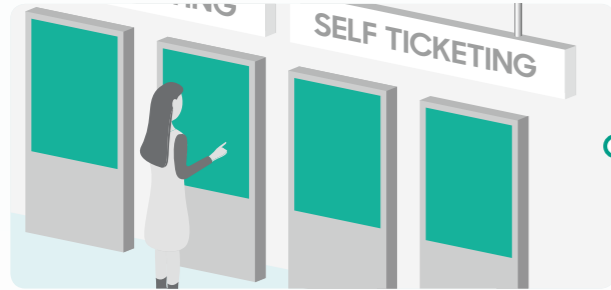
Ticketing / Way-finding

Intuitive touch screen displays and ticket kiosks make it easy for visitors to navigate a wide range of content seamlessly, increasing customer engagement and the chance of higher ticket sales

Scoreboard / Perimeter display (Outdoor)

Samsung provides high-visibility and reflection reduction to ensure every spectator can easily view the action and stay engaged. creating a more impactful and immersive experience within the stadium
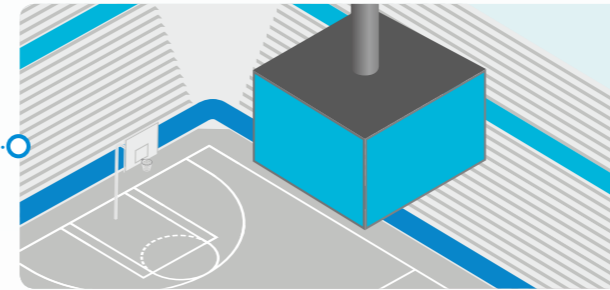
Scoreboard / Ribbon display (Indoor)

Scoreboards and ribbon displays build the atmosphere, increase engagement and maximize the opportunities for sponsors to attract customers

VIP suite

Samsung's LED and QLED displays ensure that the VIP suite remains the most exclusive and unique experience in the facility, providing unparalleled picture quality and simple maintenance
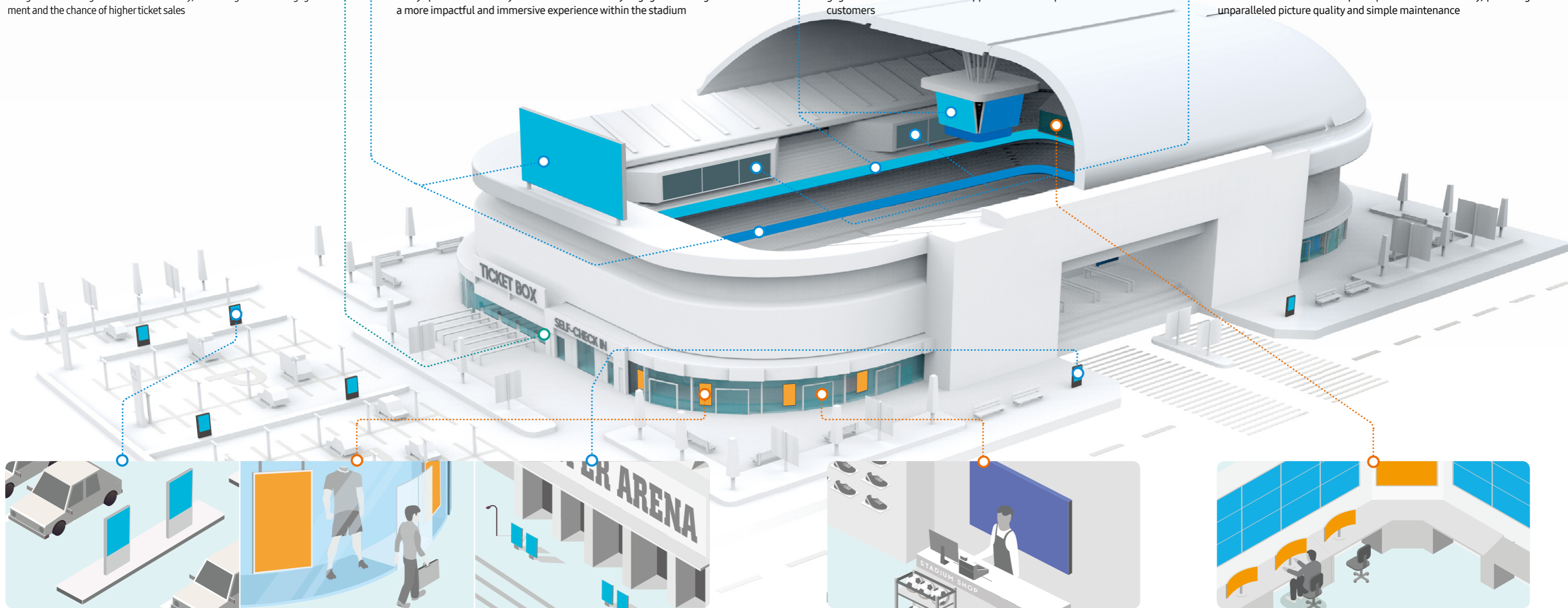
Parking lot / Entrance / Exterior

High-impact displays showing dynamic content help to create a memorable welcome for visitors, starting engagement before they even enter a venue, building anticipation for what is to come. Outdoor/Semi-outdoor signage and interactive displays can be utilized to provide information such as parking information, directions and special promotions, making the spectators' experience easier and more enjoyable.

F&B / Shopping

Ultra and full HD standalone displays in shops and museums increase engagement, give customers an immersive experience and help to generate sales

Control center & Management solution

Samsung's solutions are all supported by a fully functioning control center, including MagicINFO content management software, maintaining the 24/7 efficient operation of every digital display.

Parking lot / Entrance / Exterior

Capturing customer attention with impactful welcome

Vibrant digital signage welcomes every visitor to the facility, entertaining and informing with dynamic content and promotions. Visually engaging content from multiple brands, encourages interactions and purchases once they get into the facility.

Outdoor signage: OHF/OHN/OHN-D series

All-in-one outdoor solution

Samsung's outdoor signage series outdoor signage delivers an all-inclusive engagement solution that is completely equipped for virtually any outdoor environment. Along with the added convenience of an embedded power box, the outdoor signage series displays ensure durability, flexibility and 24/7 performance even in extreme temperatures. Additionally, the outdoor signage displays leverage a filter-less self-cooling system for easy maintenance and reduced TCO.

| All in One Design | Power box embedded | Cooling System | 24/7 Operation |

Semi-outdoor signage: OMN/OMN-D series

Foster brilliant presentation for all

Unlike conventional* digital signage, the OMN Series delivers outstanding content, regardless of outdoor elements. Featuring 4,000nit brightness and a high contrast ratio of 5,000:1, the OMN Series' display remains bright and clear, delivering an uncompromised picture that will capture the attention of potential customers – even under the scrutiny of direct sunlight. In addition, blindness is removed when looking at the sign with polarized sunglasses.

* "Conventional" refers to Samsung's OMD-W series.

| High Brightness | High Contrast Ratio | Polarized Sunglasses | Anti Blackening |

Ticketing / Way-finding

Delivering highly engaging and informative content

Samsung's digital displays can be positioned in high-traffic areas to ensure customers receive an efficient and engaging service, directing them to find ticket kiosks, their seats, food and drink, or a shopping experience.

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.

*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 |
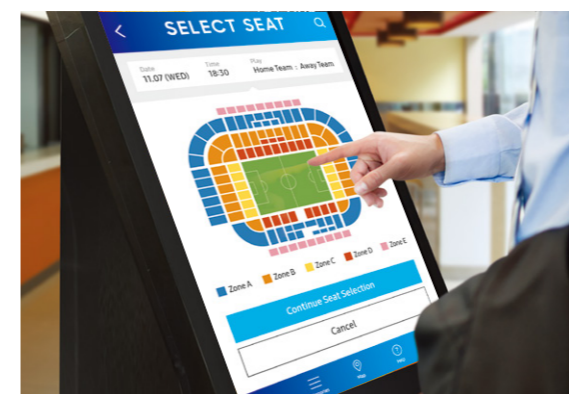
High reliability & convenient management

Samsung's PMF-BC displays are resilient and require little maintenance, yet are dependable and deliver content effortlessly. This display withstood extensive testing to validate its durability against dust, dirt, vandalism and other factors as these displays are typically used at transportation stations. Users are able to control the display, no matter their location, using infrared receivers, for continuous content.

| Dust Resistant | Sunlight Resistant | High Reliability | Central IR |

Scoreboard & Perimeter display (Outdoor)

Superior image quality regardless of conditions

Samsung's digital scoreboard and perimeter displays provide high visibility and brightness, reflection reduction and long-life durability regardless of weather conditions, guaranteeing an immersive experience for every spectator.

*The "Big Board" of SK Happy Dream Park, Home of the Incheon SK Wyverns, Incheon, Korea
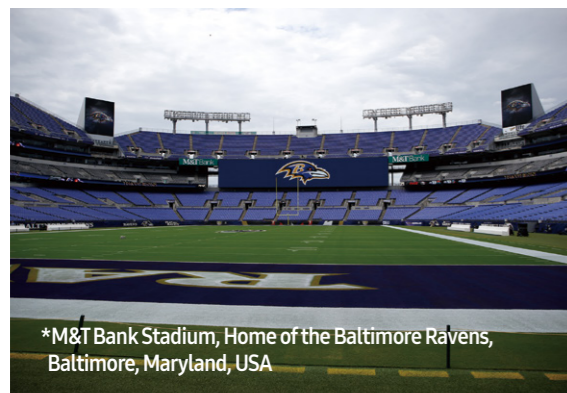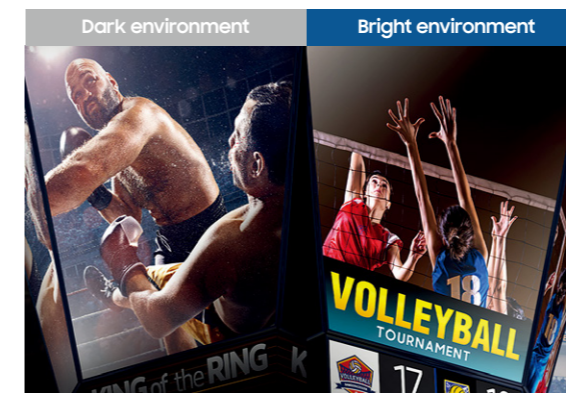
Outdoor LED signage: XPS series

Superior image quality regardless of conditions

Samsung's XPS series LED signage delivers excellent image quality that captures audience eyes even in challenging environments. Through two-step indepth 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 XPS series also is equipped to deter light interference, and produce bright images regardless of conditions.

*M&T Bank Stadium, Home of the Baltimore Ravens, Baltimore, Maryland, USA

High Refresh Rate	High Brightness	Superior Contrast	Two-step Calibration

Perimeter display: VRR series
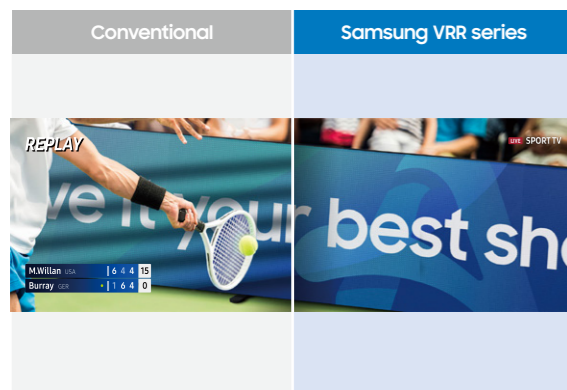
Clear picture quality for improved viewing on and off the field

The VRR Series delivers brightness levels up to 6,000nits and an ultra-wide viewing angle to give spectators, in the stadium or at home, a clear and visible picture in any weather condition, day and night. The high 3840Hz refresh rate prevents distortion and waves, ideal for live broadcast cameras.

High Brightness	High Refresh Rate	Wide Viewing Angle	IP65/65 (Front/Rear)

Scoreboard & Ribbon display (Indoor)

Captivating display and complete visibility

Samsung's indoor display solutions mean fans never miss a second of the action. Customizable scoreboards and ribbon displays build the atmosphere, increase engagement and maximize the opportunities for sponsors to attract customers with superior picture quality.

*AT&T Center, Home of the San Antonio Spurs, San Antonio, Texas, USA

Indoor LED signage: IF-DL series

Stand out visibility

Samsung's IF-DL series maintains optimal visibility in bright and dark environments alike. High brightness of up to 3,400 nits* and a low reflection technology prevent interference from surrounding lights to allow for brilliant presentation in settings with constantly changing lighting conditions.

* brightness varies by model.

High Brightness	Low Reflection	Fine-tune Uniformity	Slim/Light Design

Clearly refined visuals

Samsung's LED HDR technology leverages advanced refinement methods for clear, true-to-life picture presentation. Dynamic peaking and inverse tone mapping enhance content to optimum peak brightness levels, while in-depth grayscale and color management ensure accurate expression of colors and detail.

HDR	Dynamic Peaking	Inverse Tone Mapping	Color Management

VIP suite

Creating an exclusive customer experience

VIP guests are looking for an elevated experience. Live broadcast video walls and beautifully crafted frame design screens provide a unique experience like no other, while ensuring guests are informed of the latest updates, information and promotions.

Indoor LED signage: IF series

Conventional LED display | Samsung IF series

Brightness (Gray level) | Brightness (Gray level)

Max brightness : 1200 nit | Peak brightness : 2400nit

* Note: Here, "Conventional LED Display" refers to displays that do not contain dynamic peaking technology. In both conventional and advanced models, peak brightness and standard brightness can vary depending on composition and usage.

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 information and advertisement brilliantly. The IF series contains dynamic peaking technology that elevates images while removing interference from natural lighting.

HDR | Dynamic Peaking | Color Management | Fine-tune Uniformity

QLED 8K signage: QPR-8K series

FHD | 8K
2 million pixels | 33 million pixels

Spectacular 33-million-pixel resolution

Samsung QLED 8K offers ground-breaking, super-high resolution, 4 times higher than 4K UHD content and 16 times higher than FHD. With more than 33 million pixels, QLED 8K provides exceptional depth and detail, resulting in a spectacularly immersive viewing experience in any business environment.

8K resolution | 100% Color volume | Peak Brightness | Quantum HDR

F&B / Shopping

Driving customer engagement and purchases

There are multiple touchpoints in a sports facility throughout the customer journey that present a selling opportunity. Samsung signage entices visitors to interact and can drive customers to a specific store or location to make a purchase, capitalizing on strong customer engagement.
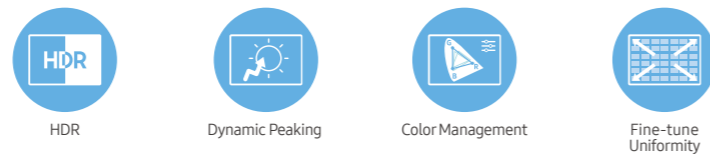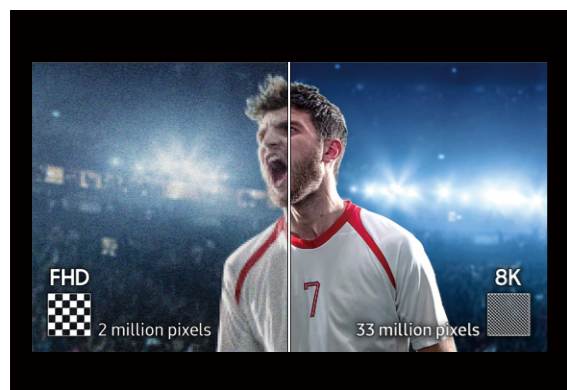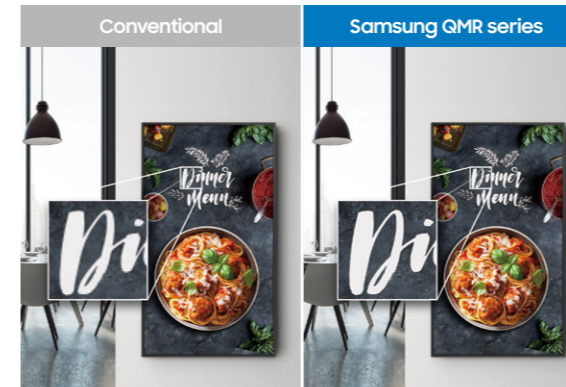

UHD signage: QMR/QBR series

Conventional | Samsung QMR series

Intelligent UHD upscaling

Samsung's cutting-edge intelligent UHD upscaling technology performs edge restoration and noise reduction to deliver perfect UHD picture quality, even with lower resolution content. This "future-proof" solution ensures best-in-class picture quality regardless of the original content resolution.

* "Conventional" refers to the models that do not adopt UHD upscaling function.

Intelligent UHD engine | Noise Reduction | Edge Restoration | HDR+
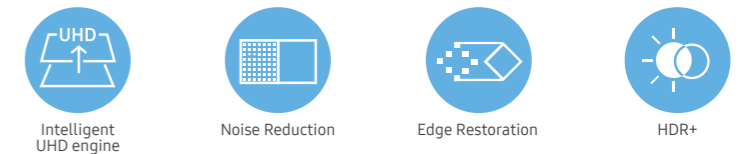
FHD signage: PHF-P series

Clear content delivery with slim design

Samsung's TIZEN-powered FHD standalone displays achieve peak performance all while maintaining a stylish and captivating design. The PHF and PMH series leverage elevated brightness and refined image sharpness to ensure a consistently clear presentation even in settings with variable lighting. Uninterrupted, 24/7 content delivery is always assured regardless of surrounding conditions.

FHD | Slim Depth | Tizen | 24/7

Control center / Management solution

Convenient management and efficient control

A robust, reliable control center is critical for any sports facility to ensure efficiencies while capitalizing on revenue opportunities. Samsung allows sports facilities to do this 24/7, using video wall, monitor and MagicINFO content management software, maximizing both the user and visitor experience.

Video wall display signage: UHF-E, VMR-U, UHF5 series

Deeper visual impact with thin bezel

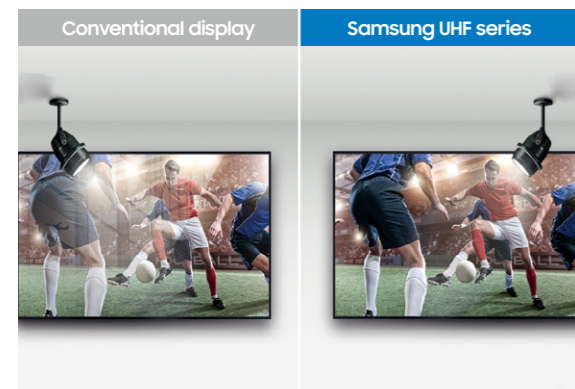| Conventional display	Samsung UHF series

Extreme narrow bezel video wall which Samsung created helps facility controllers to monitor situations around the facility without visual interference. The wall has a 1.7mm bezel-to-bezel width that yields a seamless picture across multiple screens, and is configured to the monitoring needs. 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

Monitor: High resolution monitor
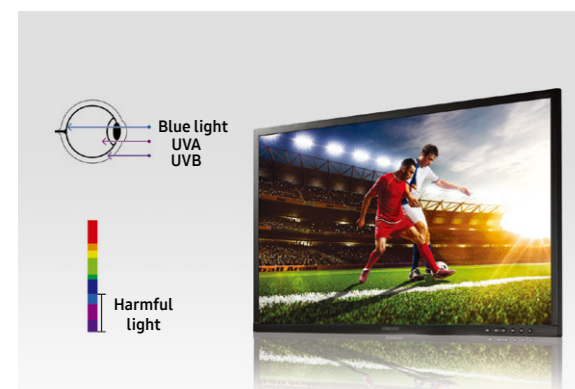
Amplified visual details
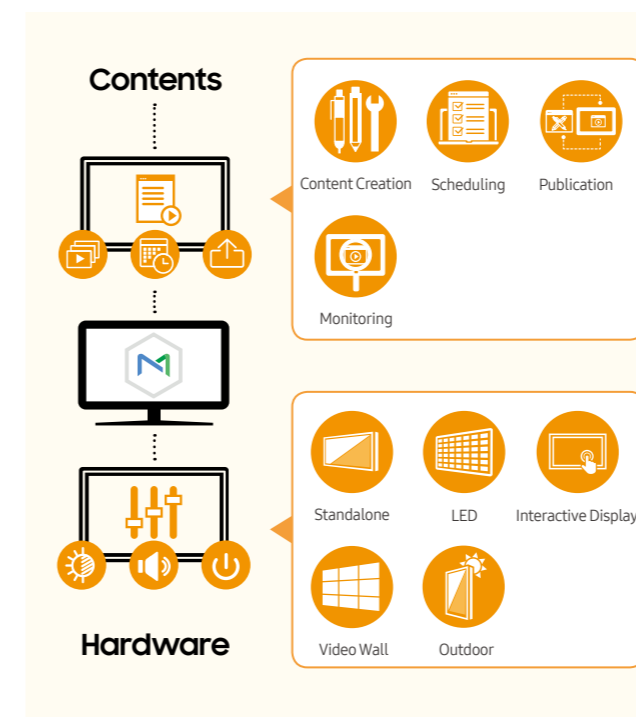
Blue light
UVA
UVB

Harmful light

Samsung professional business monitors bring even the most minor visual details to the forefront, better enabling users to do their tasks accurately and in less time. Samsung UHD monitors in particular features a quantum dot composition and a resolution nearly four times higher than that of standard FHD displays, enabling clear and colorful visibility of multiple windows, images and text without extensive scrolling or zooming.

UHD	WQHD	QD	Eye Saver Mode

Management solution: MagicINFO & SSSP solution

MagicINFO solution

Samsung's comprehensive MagicINFO platform can remotely manage both hardware and software through one single-point management system. With this solution, users can conveniently create, schedule and deploy content across its entire digital signage network. The platform is compatible with a host of display types, ensuring the delivery of compelling content regardless of the operational framework.

Contents

Content Creation	Scheduling	Publication
Monitoring		

Hardware

Standalone	LED	Interactive Display
Video Wall	Outdoor	

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. SSSP gives partners the freedom to create software on their Samsung displays, resulting in an integrated media player.

Remote management solution

Thanks to Samsung MagicINFO Remote Management Solution, a SSSP Partner that has its own CMS solution can perform in-depth remote monitoring of the digital devices and eliminate the need for site visits or service calls.

Partner's CMS server		Samsung remote management solution
	API	
Content distribution		Device control
SoC (Tizen)	SoC (Tizen)	I Player (Windows) I Player (Windows)
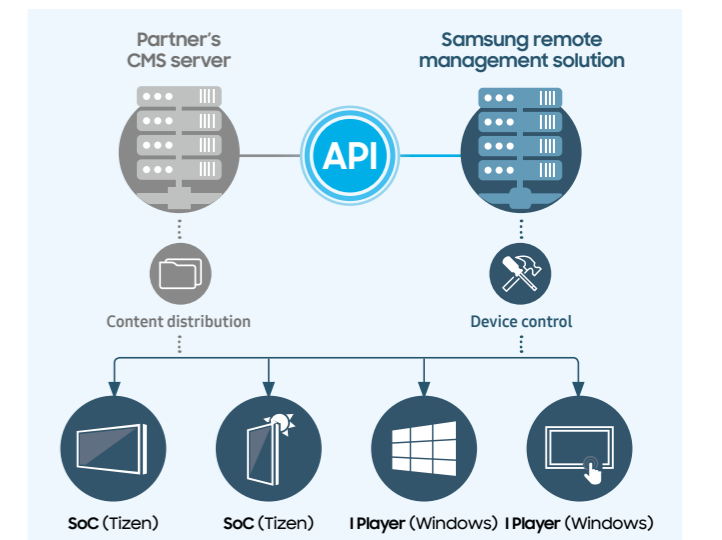
Specification

LED signage

	Project	Pixel Pitch	Diode Type	Brightness [1] (※ Dynamic Peaking applied)	Contrast Ratio	Certification	Cabinet Size	Weight	Service [2]	IP Rating
Indoor	IFJ	P1.2	Surface Mount Device	1,200 nit	4,000:1	EMC Class B, Safety 60950-1	806.4x453.6x76.7mm (LxHxD, per cabinet)	11.8kg/cabinet	Front and Parts Rear	IP20
	IFH	P1.5, 2.0, 2.5	Surface Mount Device	1,600 nit (P1.5) 2,400 nit (P2.0, 2.5)	5,000:1	EMC Class A, Safety 60950-1	480x540x65mm (LxHxD, per cabinet)	5.8kg/cabinet	Front and Rear	IP20
	IFH-DL	P4.0, 6.0, 8.5	Surface Mount Device	3,200 nit (P4.0) 3,400 nit (P6.0, 8.5)	5,000:1	EMC Class A, Safety 60950-1	480x720x65mm (LxHxD, per cabinet)	7.4kg/cabinet	Front and Parts Rear	IP20
Outdoor	XPS	P6, 8, 10, 11, 12, 15, 16, 20	Surface Mount Device (P6, 8, 10, 11, 12, 15) Discrete Lamp(P16, 20)	9,000 nit (P6, 8, 10, 11, 12, 16, 20) 7,500 nit (P15)	11,000:1 (P6, 8, 16) 13,000:1 (P10, 11) 18,000:1 (P12) 21,000:1 (P15) 12,000:1 (P20)		203x203mm (LxH, per module) (P6, 12) 264x297mm (LxH, per module) (P8) 330x165mm (LxH, per module) (P10, 20) 165x165mm (LxH, per module) (P11) 264x264mm (LxH, per module) (P15, 16)	0.54kg/module (P6) 1kg/module (P8) 0.69kg/module (P10, 11) 0.61kg/module (P12) 0.95kg/module (P15, 20) 1.16kg/module (P16)	Front Service and/or Rear Service	Silicone sealed (Module IP67, Cabi-netIP65) (P6, P8) Silicone sealed (IP65) (P10, 11, 12, 15, 16, 20)
	VRR	P10	SMD 3-in-1	6,000 nit	4,000:1	EMC Class A, Safety 60950-1	1280 × 960mm (LxH, per panel)	62 kg/panel	Front and Rear	Front IP65 Rear IP65

[1] Peak Value according to IDMS (Information Display Measurement Standard)

[2] Front Service : Front Service to Power Supply and Main Board on a cabinet level / Parts Rear Service : Power Supply and Main Board can be accessed from the rear

Outdoor signage

	Project	Screen Size	Resolution	Brightness	Contrast Ratio	Operation Hour	IP Rating	Connectivity	SoC	S/W
Outdoor	OHN	85"	3840 x 2160	3,300 nit	3,000:1	24/7	IP56	In: DP1.2, HDMI 2.0(2), HDCP 2.2, USB2.0 Out: Stereo Mini Jack Ext: RS232C(In), RJ45(In)	SSSP 6	MagicINFO Player S6
	OHN-D (Dual display)	85"	3840 x 2160	3,300 nit	3,000:1	24/7	IP56	In: DP1.2(2), HDMI 2.0(4), HDCP 2.2, USB2.0(2) Out: Stereo Mini Jack Ext: RS232C(In), RJ45(In)	SSSP 6	MagicINFO Player S6
	OHF	46", 55", 75"	1920 x 1080	3,000 nit(46") 2,500 nit(55",75")	5,000:1	24/7	IP56	In: HDMI 1.4(2), HDBaseT(LAN Common), HDCP 2.2, USB2.0 Out: Stereo Mini Jack Ext: RS232C(In/Out), RJ45(In/Out), HDBaseT	SSSP 4	MagicINFO Player S4
Semi-Outdoor	OMN	46", 55"	1920 x 1080	4,000 nit	5,000:1(46") 4,000:1(55")	24/7	IP5X Validated	In: DP1.2, HDMI 2.0(2), HDCP 2.2, USB2.0 Out: HDMI 2.0, Stereo Mini Jack Ext: RS232C(In/Out), RJ45(In/Out)	SSSP 6	MagicINFO Player S6
	OMN-D (Dual Display)	46", 55"	1920 x 1080	3,000 nit(front) 1,000 nit(back)	5,000:1(46") 4,000:1(55")	24/7	IP5X Validated	In: HDMI 2.0(2), HDCP 2.2, USB2.0(2) Ext: RS232C(In/Out), RJ45(In/Out)	SSSP 6	MagicINFO Player S6
	OMD-W	75"	1920 x 1080	2,500 nit	5,000:1	24/7	-	In: Analog D-SUB, DVI-D, DP1.2, HDMI(2), Compo-nent(CVBS Common), HDCP1.4, Stereo Mini Jack, USB 2.0 Out: DP1.2(Loop-out), Stereo Mini Jack Ext: RS232C(In/Out), RJ45	SSSP 2	MagicINFO Player S2
	OMH	32"	1920 x 1080	1,000 nit	3,000:1	16/7	-	In: DP, HDMI(2), HDCP 2.2, USB(1) Out: DP1.2(Daisy Chain), Stereo Mini Jack Ext: RS232C(In/Out), RJ45(In/Out), HDBaseT(In)	SSSP 4	MagicINFO Player S4

Video wall display

Project	Screen Size	Resolution	Brightness	Contrast Ratio	Operation Hour	B-to-B (mm)	Bezel Width	Connectivity
UHF-E/UHN-E	46"(UHN-E) 55"(UHF-E)	1920 x 1080	700 nit	4,000:1	24/7	1.7mm	1.15mm(U/L), 0.55mm(R/B)	In: Analog D-SUB, DVI-D, DP1.2, HDMI 2.0(2), HDCP 2.2, Stereo Mini Jack Out: DP1.2(Loop-out), Stereo Mini Jack / Ext: RS232C(In/Out), RJ45
UMH-E/UMN-E	46"(UMN-E) 55"(UMH-E)	1920 x 1080	500 nit	4,000:1	24/7	1.7mm	1.15mm(U/L), 0.55mm(R/B)	In: Analog D-SUB, DVI-D, DP1.2, HDMI 2.0(2), HDCP 2.2, Stereo Mini Jack Out: DP1.2(Loop-out), Stereo Mini Jack / Ext: RS232C(In/Out), RJ45
VMR-U	46"	1920 x 1080	500 nit	3,500:1	24/7	3.5mm	2.3mm(U/L), 1.2mm(R/B)	In: DP1.2, HDMI 2.0(2), HDCP 2.2, Stereo Mini Jack Out: HDMI, Stereo Mini Jack / Ext: RS232C(In/Out), RJ45
UHF5	46"	1920 x 1080	700 nit	4,000:1	24/7	5.5mm	3.4mm(U/L), 2.0mm(R/B)	In: DVI-D, DP1.2, HDMI 2.0(2), HDCP 2.2, Stereo Mini Jack Out: DP1.2(Loop-out), Stereo Mini Jack / Ext: RS232C(In/Out), RJ45(In)

Interactive display

Project	Screen Size	Resolution	Brightness	Contrast Ratio	Operation Hour	Touch Type	# of Touch	Connectivity	SoC	S/W
PMF-BC	32" 43" 55"	1920 x 1080	300 nit (32") 350 nit (43") 400 nit (55")	5,000:1(32") 3,000:1(43") 4,000:1(55")	24/7(43",55") 16/7(32")	Capacitive touch	Max. 10 Touch	In: DVI-I(D-SUB Common), DP1.2, HDMI 2.0(2), HDCP 2.2, Stereo Mini Jack, USB 2.0(2, 1 used for touch) Out: DP1.2(Loop-out), Stereo Mini Jack, USB Type-B(2) Ext: RS232C(In/Out), RJ45	SSSP 4	Built-in MagicINFO S4

QLED 8K signage

Project	Screen Size	Resolution	Brightness	Operation Hour	Connectivity	SoC	S/W
QPR - 8K	82"	7680 x 4320	500 nit	16/7	In: HDMI 2.0(4, Including 8K 60p input support 1), USB 2.0(3) Out : Optical(Digital Audio Out) / Ext: RS232C(In), RJ45	SSSP 7	MagicInfo S7

UHD signage

Project	Screen Size	Resolution	Bright-ness	Contrast Ratio	Operation Hour	Panel Type	IP Rating	Connectivity	SoC	S/W
QHH	55", 65"	3840 x 2160	600 nit	6,000:1	16/7	-	-	In: DP1.2, HDMI 2.0(2), HDCP 2.2, USB2.0(2) Out: HDMI #1 ARC support Ext: RS232C(In), RJ45	SSSP 5	MagicINFO Player S5
QMR	43",49",55", 65",75"	3840 x 2160	500 nit	6,000:1(75") 4,000:1 (43",49",55",65")	24/7	Non-Glare	IP5X Validated	In: DVI-D, DP1.2, HDMI 2.0(2), HDCP 2.2, Stereo Mini Jack, USB2.0(2) Out: HDMI 2.0(Loop-out), Stereo Mini Jack Ext: RS232C(In), RJ45	SSSP 6	MagicINFO Player S6
QMN	85", 98"	3840 x 2160	500 nit	4,000:1(98") 3,000:1(85")	24/7	Non-Glare	-	In: DVI-D, DP1.2, HDMI 2.0(2), HDCP 2.2, Stereo Mini Jack, USB2.0(2) Out: HDMI 2.0(Loop-out), Stereo Mini Jack Ext: RS232C(In), RJ45	SSSP 6	MagicINFO Player S6
QBR	43",49",55", 65",75	3840 x 2160	350 nit	5,000:1(43") 4,700:1(49",55") 4,000:1(65",75")	16/7	-	IP5X Validated	In: DVI-D, HDMI 2.0(2), HDCP 2.2, Stereo Mini Jack, USB2.0(2) Out: Stereo Mini Jack / Ext: RS232C(In/Out), RJ45	SSSP 6	MagicINFO Player S6
QEN	82"	3840 x 2160	300 nit	5,000:1	16/7	-	-	In: DVI-D, HDMI 2.0(2), HDCP 2.2, Stereo Mini Jack, USB2.0(2) Out: Stereo Mini Jack / Ext: RS232C(In/Out), RJ45	SSSP 6	MagicINFO Player S6

FHD signage

Project	Screen Size	Resolution	Bright-ness	Contrast Ratio	Operation Hour	Panel Type	IP Rating	Connectivity	SoC	S/W
PHF-P	43", 49", 55"	1920 x 1080	700 nit	4,000:1(49",55") 3,000:1(43")	24/7	Non-Glare	IP5X Validated	In: DVI-I, DP1.2, HDMI 2.0(2), HDCP 2.2, Stereo Mini Jack, USB2.0(2) Out: DP1.2(Loop-out), Stereo Mini Jack / Ext: RS232C(In/Out), RJ45	SSSP 4	MagicINFO Player S4
PMF	32"	1920 x 1080	400 nit	5,000:1	16/7	-	IP5X Validated	In: DVI-I, DP1.2, HDMI 2.0(2), HDCP 2.2, Stereo Mini Jack, USB2.0(2) Out: DP1.2(Loop-out), Stereo Mini Jack / Ext: RS232C(In/Out), RJ45	SSSP 4	MagicINFO Player S4
DCE	32", 55"	1920 x 1080	350 nit	5,000:1	16/7	-	-	In: D-SUB, DVI-I, HDMI 1.4(2), HDCP1.4, Stereo Mini Jack, USB2.0 Out: Stereo Mini Jack / Ext: RS232C(In/Out), RJ45	Simple SoC	MagicINFO Player Lite
DCJ	43", 49"	1920 x 1080	300 nit	3,000:1	16/7	-	-	In: DVI-I, HDMI 1.4(2), HDCP1.4, Stereo Mini Jack, USB2.0 Out: Stereo Mini Jack / Ext: RS232C(In/Out), RJ45	Simple SoC	MagicINFO Player Lite

Business monitor

	Project	Screen Size	Flat/Curved	Aspect Ratio	Resolution	Brightness	Viewing angle	Connectivity	Eye Saver Mode
Ultra Wide	CJ89	43", 49"	Curved	32:10(43") 32:9(49")	3840 x 1200(43") 3840 x 1080(49")	300 nit	178°(H)/178°(V)	DP1.2, HDMI 2.0, USB Type-C(2), USB Hub(3.0 x 1, 2.0 x 2)	Yes
	CHG90	49"	Curved	32:9	3840 x 1080	350 nit	178°(H)/178°(V)	DP1.4, Mini DP1.4, HDMI 2.0(2), USB Hub 3.0	Yes
High Resolution (UHD/QHD)	CH89	34"	Curved	21:9	3440 x 1440	300 nit	178°(H)/178°(V)	DP, HDMI, USB Type-C, USB Hub(3.0 X 1, 2.0 x 2)	Yes
	UH85	32"	Flat	16:9	3840 x 2160	250 nit	178°(H)/178°(V)	DP1.2(1), HDMI(2.0 x 1, 1.4 x 1), USB Hub 3.0	Yes
	SH85	24", 27"	Flat	16:9	2560 x 1440	350 nit(27") 300 nit(24")	178°(H)/178°(V)	DP, HDMI, DP Out(Daisy Chain), USB Type-C, USB Hub 2.0	Yes
FHD	SH65	24"W	Flat	16:10	1920 x 1200	250 nit	178°(H)/178°(V)	D-Sub, DP, HDMI, USB Hub 2.0	Yes

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