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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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Samsung Education Display Solutions

Improving digital signage throughout schools and communities

Interactive Display | Smart Signage | LED Signage | Desktop Monitor | MagicINFO Solution | MagicIWB Solution

SAMSUNG

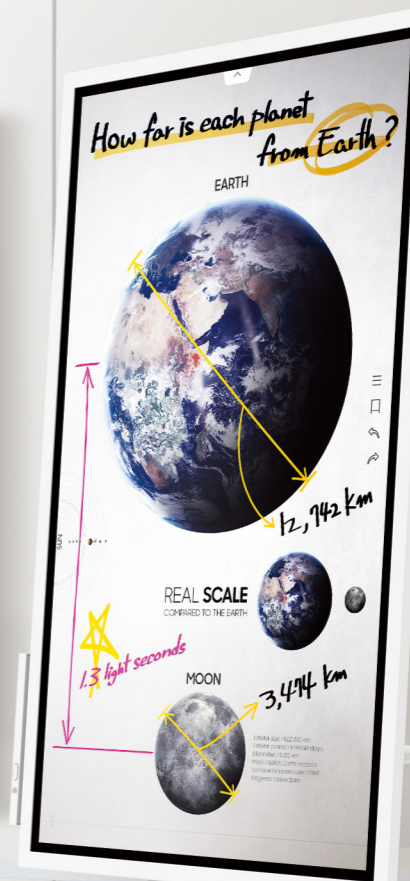
SAMSUNG



Digitalization improving the school environment

In today's society, students, parents and teachers are inundated with information regarding the classroom and school schedules. To keep everyone informed, the educational sector has begun to incorporate digital signage into the classrooms as well as outside to keep everyone informed. Digital signage also allows schools to stand out from its competition by modernizing the campus with the best technology available.

By introducing digital displays in the classroom, teachers are able to stimulate the students with bright images and text increasing their level of engagement in the session. As the educational field is becoming more up-to-date with technology, outdated outdoor signs, chalkboard and paper signs are no longer the prevalent means to inform the school's community about the latest information regarding the school. Digital displays are the latest tools being incorporating in schools, as the archaic pen and paper are becoming obsolete.



Improving the learning experience

Samsung's digital displays bring a different learning experience to the classroom by modernizing the space. With bright and stimulating text and images, students are engaged in the content being presented and are encouraged to work simultaneously, sharing ideas and thoughts. Teachers are also able to come to class without numerous pieces of paper for the students to read by themselves. They can upload or project a lesson to the digital display and present the content in a collaborative manner, fostering a classroom of imagination.

Samsung Electronics offers a complete lineup of interactive displays that improve the learning experience at schools. From Samsung Flip interactive digital flip chart to QBH-TR Series electronic whiteboards, Samsung's technologies accommodate any classroom.



Displaying community highlights

As schools look to promote and recognize student's achievements, they are incorporating digital signage outside of the locations to message these successes. Highlighting school events are also becoming popular. Samsung's standalone and outdoor digital displays deliver crisp and brilliant content, ensuring that viewers can clearly read the information.



Enhancing student engagement

Incorporating large LED signage and video walls into a spacious room at a school or university to present information during a lecture or graduation ceremony is becoming more popular. Samsung's indoor LED and video wall displays ensure participants to remain engaged during the presentation with vibrant colors and an impressive screen. Not only do the displays command attention, the content being displayed is crisp and clear with precision.

Improve learning experience

Facilitate more impactful lecture experience and ease lecture preparation



Samsung Flip

Optimized for collaborative lecture in small groups

Samsung Flip is an digital flip chart that allows presenting lessons and conducting interactive learning sessions thanks to its multi-use and intuitive design. Up to four teachers and students can simultaneously write on the display with a pen to paper feel, while customizing the color and thickness of the pen. With just a few touches, teachers can easily pull the content from personal devices including mobile, laptop, USB and network drive. Moreover, Samsung Flip allows opening several types of documents such as Microsoft Office* and PDFs directly. With a wheel-based stand, the Flip is moved easily, reinventing the school setting regardless of the location.

*Microsoft Excel is not supported.

Samsung QBH-TR

Cultivated for fully-integrated lesson in classroom

As part of Samsung's lineup, the QBH-TR is another option for teachers to present lessons, as they are offered with UHD screens in 65" and 75" for an immersive learning session. With the ability to switch between multiple screens, such as the whiteboard, internet browser and connected input sources, multiple lesson points can be covered within a presentation. Samsung QBH-TR also allows users to share content stress-free with Microsoft Office compatibility. Enabling up to four users to write at the same time with any tool, Samsung QBH-TR fosters engagement and interaction that encourage students to get involved in the learning session.

Which e-board fits your class?

Flip	Screen size	Recommended school	Recommended class	Touch	Connectivity	Screen size	Recommended school	Recommended class	Touch	Connectivity	QBH-TR
	55"	Higher education	A small group interactive discussion	4 drawing, Passive pen	Offers wireless, HDMI and USB ports connection with personal devices	65", 75"	Under K-12	A participatory class for large audience	4 drawing (SoC) / 10 drawing (External Windows PC), Passive pen	Offers a wide range of connections including HDMI, DVI-D, DP and USB ports	

Samsung Flip

Samsung's Flip changes how teachers engage with their students during class. The interactive display allows teachers to project lessons directly on the screen while writing, editing and updating the UHD content in real-time. Four people can use the display at once, creating an interactive classroom. Save and return to lessons easily with the intuitive navigational tools.



Comfortable design with flexibility

The Samsung Flip's portable, wheel-based stand transforms any room into a collaborative huddle space and prevents battles for coveted meeting space. Users also can adjust the display to portrait or landscape configurations to match room dimensions, with its System-on-Chip configuration and the powerful TIZEN operating system maintaining continuous performance. For added convenience, the Samsung Flip offers a front tray to house pens and other vital supplies.



UHD



Portable Design



Pivot Flexibility



Solution (SoC, Sensor)

Compelling notation

Through an intuitive interface and touch-ready design, the Samsung Flip fosters a smooth, natural writing experience. Up to four different individuals can write on the display's central screen, driving simultaneous engagement. From there, participants can capture and save new ideas for later use. The Samsung Flip also encourages users to integrate their personal style by offering a range of distinct font colors and text treatments.



Smooth Touch



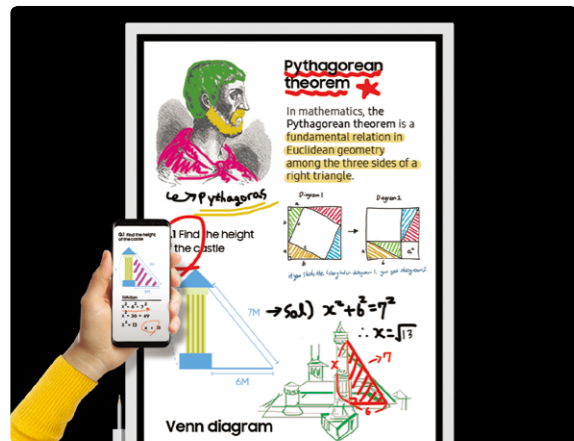
Flexible Erasing



Capture



Preview & Navigation



Versatile Connectivity

The Samsung Flip display maintains the meeting ideas that far too often are erased, misplaced or misinterpreted. Extensive connectivity and dedicated Touch Out control ensure smooth synchronization with participants' personal devices. As a result, meeting attendees can share new content and ideas on the main screen from multiple sources without delay. The Samsung Flip also simplifies the often-tedious meeting recap process through centralized storage and distribution.



Versatile Connectivity



Touch Out



Sharing via Email, Network server



WiFi-Out Screen Sharing

Samsung QBH-TR

Samsung's QBH-TR e-boards are ideal for any large classroom, as these displays are available in 65 or 75 inches. As the QBH-TR series easily connect and synchronize with other digital equipment, users can quickly switch between multiple screens, with just a few touches. With its enhanced touch technology and UHD picture quality students can easily see the information being presented and remain engaged in the learning session.



Seamless interaction

The QBH-TR Series provides a smooth, fully-functional digital writing experience in an intuitive format. Up to four different participants can make simultaneous notations on the central screen, using either dedicated pens or touch interaction.



Smooth & Fast Writing



Multi-writing upto 4



Passive Pen



Flexible Erasing

Expanded content integration

Each QBH-TR Series display offers dedicated HDMI, DVI-D, DP and USB ports where users can share and revise content from connected personal devices. Through the Working Screen feature, users can quickly alternate between multiple screen sources in just a few quick touches.



Input ports



Versatile Connectivity



Seamless Source Switch



Touch Control



Enhanced usability

Remote users can stay involved in conversations through the QBH-TR Series' seamless laptop streaming. Facilitators can work with all participants to access and upload content without sacrificing UHD picture quality or ultra-high resolution. Participants also can trust the displays' integrated Knox security system to prevent information leakage and external interference.



Tizen



UHD



Sophisticated Design



Pen Holder



Displaying community highlights

Promote neighborhood successes and notify of school activities

Most schools enjoy promoting its students and happenings in the community and use digital signage to deliver this information. Featuring student's achievements, notifying the community about an event or sharing encouraging information strengthens the pride and commitment of the school community.

Samsung's standalone and outdoor signage delivers these messages by using innovative technology that projects clear and crisp text and images in any environment. With easy usability and maintenance, students and teachers can stay up-to-date with the latest information from school. In addition, they are assured of continuous message delivery due to extended durability of Samsung's digital signage.

Standalone signage

Full line-up for use

Available in a range of sizes and configurations, Samsung's standalone displays ensure a consistently clear presentation while also maintaining a compact and stylish design. The powerful TIZEN operating system elevates graphic quality, while a System-on-Chip (SoC) composition eliminates the need for external media players.



Clear content delivery with powerful usability

Samsung's standalone displays leverage elevated brightness and refined image sharpness to ensure a consistently clear presentation. Equipped with a non-glare frontal panel, the displays discover heightened image visibility and information readability even in settings with variable lighting. Samsung's standalone signage is IP5x validated*, signifying its dust-resistant design and ability to withstand a range of environmental conditions while ensuring easier and more flexible user control with its integrated centralized infrared receiver (IR).

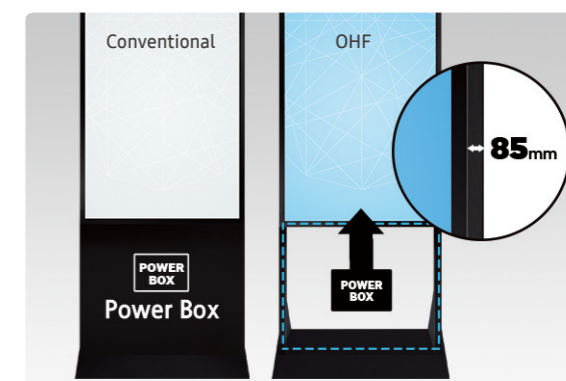
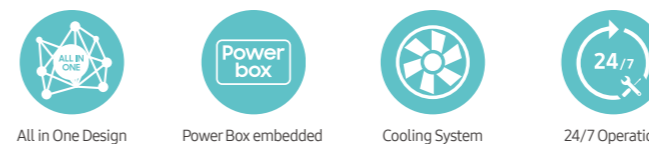
*IP5x validation ensures satisfactory operation even with a certain level of dust inside the product. However, product operation is not guaranteed when exposed to particular types of dust such as metal dust.



Outdoor signage

All-in-one outdoor solution

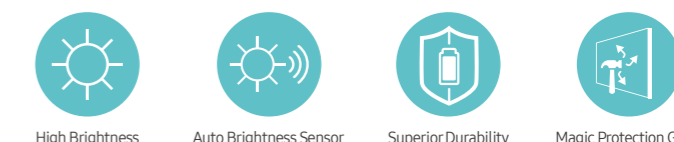
Samsung's outdoor signage delivers an all-inclusive engagement solution that is completely equipped for virtually any outdoor environment. Along with the added convenience of an embedded power box, the displays ensure durability, flexibility and 24/7 performance even in extreme temperatures. Additionally,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



Captivating visibility & superior durability

The OHF displays feature innovative IK10-certified* Magic Protection Glass, TUV-certified image quality and an Auto Brightness sensor to improve picture quality and optimize message delivery for any viewer. When combined, these features produce high 2,500nit brightness and a 5,000:1 contrast ratio that amplify any type of content.

*The IK European strength test rating uses a 0-10 scale (where 10 indicates the highest possible protection) to measure the degree of resistance against external impact.





Enhancing student engagement

Increase audience's attention and involvement at events

With superior picture quality on Samsung's indoor LED and video wall displays, attendees are encouraged to participate during social forums at a school. Clear information that includes text and graphics is easily seen on the large screens and improves attendees understanding of the content being discussed. Regardless of the location of the participants, all the information being presented is easily visible due to its uniform and seamless screen. Engaging the audience with brilliantly presented information improves the likelihood for attendance in the future.

LED signage

Optimize content brilliance

To ensure optimal LED performance, the IF Series displays deploy a host of picture-enhancing features. Dynamic peaking technology combats interference from natural and ambient lighting while elevating content with peak brightness levels nearly two times higher than the standard LED signage maximum. The IF Series displays also mitigate potential oversaturation and gradation variations to maintain lifelike representation among featured on-screen personalities. Regardless of the environment, the IF Series displays produce brilliant, consistent content that shines.



HDR Technology



Dynamic Peaking



Content Management



Fine-tune Uniformity



A clean, hassle-free installation

A hook-based design allows IF Series users to mount screens in a single, smooth motion. This seamless installation eliminates gaps and catwalk space while keeping all front and rear components visible and accessible for quick-turn maintenance. The IF Series' compact, durable design also can withstand damage from natural events as strong as a Level 4 earthquake, while also meeting Americans with Disabilities Act (ADA) protrusion regulations.



Direct Mount™ Kit



Catwalk Space Free



Advanced Design



Earthquake Durability

Video wall display

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 video wall display 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



Securely stabilized in any 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.



Fine Adjustment



Slim Depth



Easy Installation

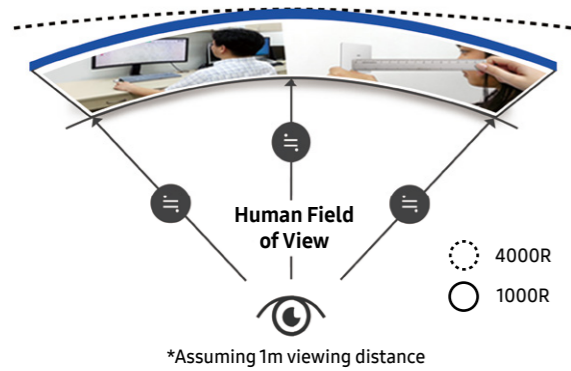


24/7

Desktop monitor

Samsung not only offers solutions for the classroom but also has a full line-up of monitors for the administration and students at a school. Engineered to match the natural curvature of the human eye, Samsung's curved monitors unify viewing angles and prevent excessive movement when viewing content. The curved displays provide students and administration a strain-free, long-term usage to protect their eyes. By condensing multi-monitor setups into a single, powerful high-resolution screen, Samsung's desktop monitors also drive smarter and simpler multitasking. The displays offer clearer visibility and interpretation for students and the administration without time-consuming scrolling or zooming.

Curved monitor



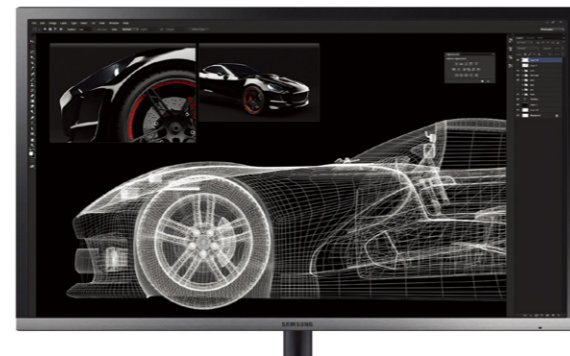
Powerful comfort with a stress-free design

Samsung's curved monitor unifies viewing angles and prevents excessive movement when viewing content with its curved design. Workers can optimize their viewing dimensions with a height-adjustable stand and pivot, swivel and tilt options. In any configuration, specialized Eye Saver and Flicker Free Modes reduce the impact of blue light emissions and overall distortion for more comfortable long-term performance.

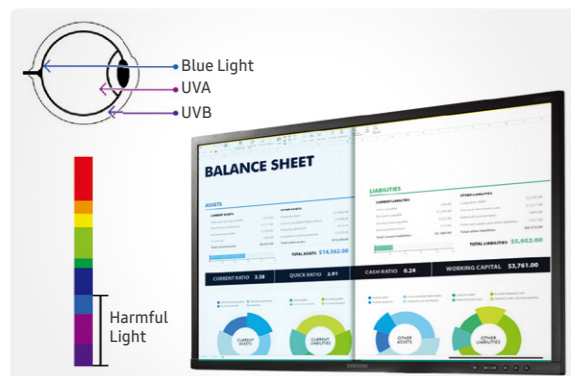
High resolution monitor

Amplified visual details

Samsung high resolution monitors bring even the most minor visual details to the forefront, better enabling workers to do their jobs 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 webpages, images and text without extensive scrolling or zooming.



Monitor

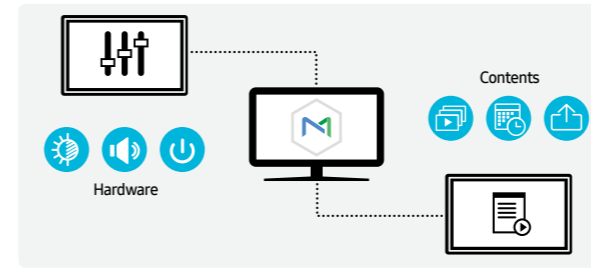


Safe, stress-free extended use

During extended periods of monitor use, blue light wavelengths can fatigue or strain users' eyes. As a result, each desktop monitor features a specialized Eye Saver Mode that reduces blue light emissions to drive long term productivity. Furthermore, Samsung's Flicker Free technology prevents another common source of user discomfort.

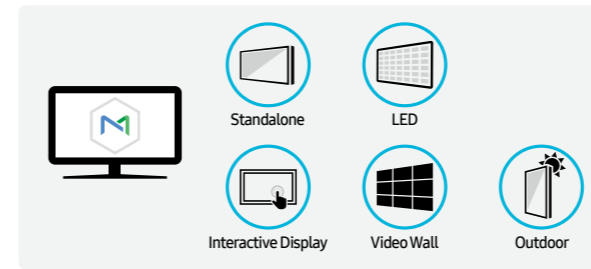
Samsung's solutions for schools

MagicINFO solution



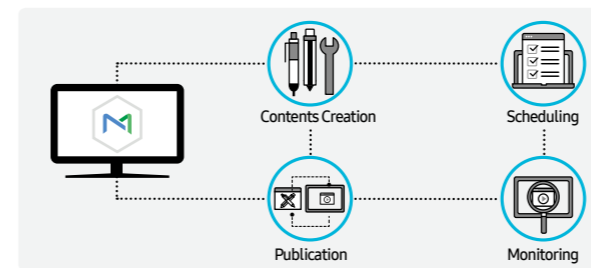
Single-point management

Samsung's MagicINFO is the industry leading platform to offer seamless remote hardware and software management, allowing users to make changes to schedules and device settings, no matter the location or time of day. Regardless of the operational network, the MagicINFO solution is compatible with several display types, browsers and devices, ensuring the delivery of compelling, high-quality content.



Versatile device compatibility

Samsung's MagicINFO solution controls and manages all types of displays such as indoor, outdoor signage and LED display. With its innovative technology, users are assured their content is managed with a state-of-the-art hardware solution.



All-in-one message optimization

MagicINFO's technology allows users in any environment to conveniently create, schedule and deploy content across an entire digital signage network. Furthermore, MagicINFO lets users to remotely monitor and troubleshoot single displays or an entire network for device control.

MagicIWB solution

Samsung's MagicIWB solution is an e-board software solution eliminating the need for additional PCs or license purchases. The solution allows schools to save space and cost with an embedded System-on-Chip (SoC) media player for PC-less touch. It also functions with a wide range of external content source compatibility. Featuring a pre-assembled Touch Overlay and embedded MagicIWB Solution, Samsung's e-board display is ready to use right out the box.

Specification

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	Brightness	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/Out), 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/Out), 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/Out), 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	Brightness	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), HDCP 1.4, Stereo Mini Jack, USB2.0 Out: Stereo Mini Jack Ext: RS232C(In), 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), HDCP 1.4, Stereo Mini Jack, USB2.0 Out: Stereo Mini Jack Ext: RS232C(In), RJ45	Simple SoC	MagicINFO Player Lite

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), RJ45(In)	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), Component(CVBS Common), HDCP 1.4, 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
UDE-A/UDE-B	46", 55"	1920 x 1080	700 nit(UDE-A) 500 nit(UDE-B)	4,000:1(55") 3,500:1(46")	24/7	3.5mm	2.3mm(U/L), 1.2mm(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
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	Touch Type	# of Touch/Drawing	Connectivity	S/W	Remark
QBH-TR	65", 75"	3840 x 2160	300 nit	Mega	IR (Infra Red)	4 Drawing (SoC), 10 Drawing (External Windows PC)	In: HDMI(3, 2 x Rear, 1 x Front), DVI-D, DP, USB(3, 2 x Rear, 1 x Front), PC USB(Front) / Out: Touch Out(2, 1 x Rear, 1 x Front) / Ext: RS232C(In/Out), RJ45	MagicInfo WB S5	-
Flip	55"	3840 x 2160 (Landscape) 2160 x 3840 (Portrait)	300 nit	4,700:1	Inglass™ Touch / Passive Pen	4 Drawing	In: HDMI, USB 2.0(2) / Out: Touch Out Ext: Touch Input, RJ45(not for User Control)	Flip S/W	Moving Stand with Advanced Pivot

LED signage

Project	Pixel Pitch	Diode Type	Brightness ⁽¹⁾ (* Dynamic Peaking applied)	Contrast Ratio	Certification	Cabinet Size	Weight	Service ⁽²⁾	IP Rating
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
IFJ-E	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)	5000:1	EMC Class A, Safety 60950-1	480x540x65mm(LxHxD, per cabinet)	5.8kg/cabinet	Front and Rear	IP20
IFH-E	P1.5, 2.5	Surface Mount Device	1,200 nit(P1.5) 2,000 nit(P2.5)	5000:1	EMC Class A, Safety 60950-1	480x540x65mm(LxHxD, per cabinet)	5.8kg/cabinet	Front and Rear	IP20
IFH-D	P2.5, 4.0, 6.0	Surface Mount Device	2,400 nit(P2.5) 1,700 nit(P4.0) 1,800 nit(P6.0)	5000:1	EMC Class A, Safety 60950-1	480x720x65mm(LxHxD, per cabinet)	7.4kg/cabinet	Front and Parts Rear	IP20

(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

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	DP1.2, HDMI 2.0, USB Type-C(2), USB Hub(3.0 x 1, 2.0 x 2)	Yes
	CH89	34"	Curved	21:9	3440 x 1440	300 nit	DP, HDMI, USB Type-C, USB Hub(3.0 X 1, 2.0 x 2)	Yes
High Resolution (UHD/QHD)	UH85	32"	Flat	16:9	3840 x 2160	250 nit	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")	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	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