



SAMSUNG SMART LED SIGNAGE FINE PIXEL PITCH IS SERIES

Inform, Engage and Entertain through a High-Quality Indoor Viewing Environment

Businesses need to make a big impression to catch the eye of consumers in often-crowded indoor environments. With Samsung's new IS Series SMART LED indoor signage, these businesses receive the reliable toolset necessary to provide a modern, differentiated and seamless viewing experience. The fine pixel pitch displays deliver excellent picture quality with minimal maintenance and resources required. Flexible and customizable for any indoor setting, Samsung's IS Series displays offer new opportunities to efficiently share captivating, lifelike content.

HIGHLIGHTS

- Industry-best video processing technologies present content at optimal quality
- Fine pixel pitch composition produces a sophisticated indoor viewing experience
- Factory and on-site calibration create vibrant and consistent images
- Temperature and ventilation control extend displays' lifespan while minimizing energy costs
- LED Signage Management platform makes performance adjustments more convenient
- Integrated content management and delivery solution fosters improved operational efficiency

INDUSTRY TRENDS

Technology innovations and businesses' desires to modernize have sparked significant growth in the indoor LED display marketplace in recent years. Corporate, entertainment, hospitality and retail users in particular have capitalized on LED signage to replace their outdated analog displays and static signage with more capable digital alternatives. As a result, businesses can explore previously untapped content formats and use more creative avenues to reach target audiences without incurring significant costs.

SAMSUNG'S IS SERIES LED SIGNAGE: THE RIGHT FIT FOR YOUR INDOOR CONTENT NEEDS

Designed for reliable high-quality performance, the IS Series fine pixel pitch LED displays grant users peace of mind that their messages will clearly and accurately reach audiences with minimal oversight required.



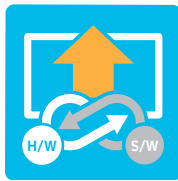
POWERFUL VISUAL INNOVATION

Samsung's IS Series displays are designed with the same cutting edge video processing technologies as its television and LCD signage offerings to produce an equally impressive viewing experience. Businesses in turn can select the ideal display size and resolution for their unique needs, all while benefitting from the accurate color presentation and detailed image quality that only Samsung can provide.



UNWAVERING RELIABILITY

Customers trust Samsung to provide low maintenance technologies that continuously operate at peak performance. Every Samsung display undergoes rigorous testing to ensure durability and reliability regardless of the surrounding environmental conditions. Through integrated energy and temperature control settings, Samsung extends its displays' shelf lives while reducing total cost of operation for users.



A TOTAL SOLUTIONS PARTNERSHIP

Samsung is committed to equipping users with all of the tools needed to engage audiences. Fine pixel pitch indoor LED display users specifically can manage content and make adjustments to improve overall performance through convenient, integrated platforms. As businesses expand their digital presence, Samsung's total solutions – ranging from integrated hardware and content management tools to features that bring out the best in each display - offer synergy and ease-of-use to help them better navigate the transition.

ANNUAL SALES GRAPH



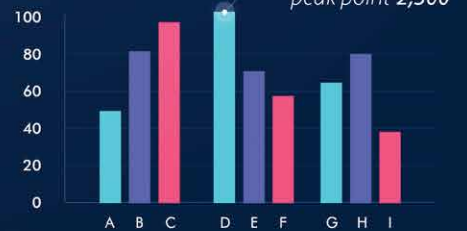
MUSIC



MARKET SEGMENT



INTERNET



KEY FEATURES



A BRILLIANT, OPTIMIZED VIEWING EXPERIENCE

Samsung's IS Series displays bring the clarity and power of Samsung's renowned TV and LCD technologies to any indoor environment, ensuring that content is shared consistently and with colors that pop. Embedded sharpness and contrast ratio enhancement and selective color enrichment features amplify visual presentation for added detail and realism. Users additionally can choose the best picture presentation mode for their featured content through advanced gamut mapping.



CONSISTENT, UNIFORM CONTENT DELIVERY

Each IS Series display undergoes through factory calibration, which fine-tunes all sub-pixels to achieve uniform brightness and color chromaticity out of the box. Samsung provides convenient on-site sub-pixel calibration using a compatible DSLR camera, eliminating the need for burdensome radiant cameras and external software often required to calibrate comparable displays. As these displays are installed, module to module calibration and advanced picture setting using Samsung LED Signage Manager (LSM) maintains an excellent and consistent presentation.



DURABLE, LONG-LASTING PERFORMANCE

Samsung's IS Series displays leverage an energy-efficient cabinet design, featuring advanced temperature and ventilation management capabilities, to ensure uninterrupted performance even when faced with variable environmental conditions. A fanless design further helps prolong the displays' overall lifespan by minimizing the impact of dust and rigid particle exposure. Users also can leverage the LED Signage Manager (LSM) to quickly identify common performance errors, ranging from LED dot disruptions and power fluctuations to temperature irregularities.



INTUITIVE, VERSATILE CONTENT MANAGEMENT

IS Series users receive a host of tools to streamline content creation and delivery. The LED Signage Box (S-Box) shares and synchronizes FHD content across multiple screens in place of an often costly external video processor. Each IS Series display also is compatible with Samsung's MagicInfo platform, which offers easy content management through an intuitive interface. Featured content also is visible as far as 100m away through the embedded HDBaseT RX module receiver, which eliminates the need for cables, repeaters and amplifiers.

SPECIFICATIONS

MODEL		IS015F	IS020F	IS025F
Physical Parameter	Pixel Pitch	1.5 mm	2.0 mm	2.5 mm
	Pixel Configuration	1 Red, 1 Green, 1 Blue	1 Red, 1 Green, 1 Blue	1 Red, 1 Green, 1 Blue
	Pixel Density	444,444 m ² / 41,290 ft ²	250,000 m ² / 23,225 ft ²	160,000 m ² / 14,864 ft ²
	Cabinet/Module Configuration (LxH)	320x360 pixels	240x270 pixels	192x216 pixels
	Diode Type	Surface Mount Device (SMD)	Surface Mount Device (SMD)	Surface Mount Device (SMD)
	Dimensions (LxH)	480x540 mm (per cabinet)	480x540 mm (per cabinet)	480x540 mm (per cabinet)
	Weight	8.9 kg (per cabinet)	8.9 kg (per cabinet)	8.9 kg (per cabinet)
Optical Parameter	Brightness	800 nit	1,200 nit	1,200 nit
	Contrast Ratio	3,000:1	3,000:1	3,000:1
	Viewing angle - Horizontal	160°	160°	160°
	Viewing angle - Vertical	120°	120°	120°
	Number of colors	11.2 trillion colors	11.2 trillion colors	11.2 trillion colors
	Color Wavelength	Red: 630 nm, Green: 530 nm, Blue: 468 nm	Red: 630 nm, Green: 530 nm, Blue: 468 nm	Red: 630 nm, Green: 530 nm, Blue: 468 nm
	Color temperature - Default	6,500 K	6,500 K	6,500 K
	Color temperature - Adjustable	2,800 - 10,000 K	2,800 ~ 10,000 K	2,800 - 10,000 K
Electrical Parameter	Video Rate	50/60 Hz	50/60 Hz	50/60 Hz
	Input Power Range	100~240 VAC, 50/60 Hz	100~240 VAC, 50/60 Hz	100~240 VAC, 50/60 Hz
	Power consumption - Max(W/m ²)	810 (W/m ²) / 210 (W/Cabinet)	810 (W/m ²) / 210 (W/Cabinet)	580 (W/m ²) / 150 (W/Cabinet)
	Power consumption - Typical(W/m ²)	270 (W/m ²) / 70 (W/Cabinet)	270 (W/m ²) / 70 (W/Cabinet)	190 (W/m ²) / 50 (W/Cabinet)
	Heat generation - Max(BTU/SF)	257 BTU/SF per hour	257 BTU/SF per hour	183 BTU/SF per hour
	Heat generation - Average (BTU/SF)	86 BTU/SF per hour	86 BTU/SF per hour	61 BTU/SF per hour
	Refresh rate	2,500 Hz	3,700 Hz	2,500 Hz
Operation Conditions	Working Temperature	0°C~40°C (32°F to 104°F)	0°C~40°C (32°F to 104°F)	0°C~40°C (32°F to 104°F)
	IP Rating	IP20	IP20	IP20
	LED Lifetime	100,000 hours	100,000 hours	100,000 hours
Certification	Certification	EMC Class A, Safety 60950	EMC Class A, Safety 60950	EMC Class A, Safety 60950
Package	Box Dimension (LxHxD)	582x644x215 mm	582x644x215 mm	582x644x215 mm
	Box Volume (m ³)	0.08058372 m ³	0.08058372 m ³	0.08058372 m ³
	Package Weight	11.9 kg	11.9 kg	11.9 kg

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SMART LED Signage

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