



SAMSUNG SMART LED SIGNAGE PERIMETER XRF SERIES DISPLAYS

Amplify Fan Engagement through Clear and Captivating On-Field Content

Due to its close proximity to the competition, the perimeter surrounding a sporting field is prime space for promotional engagement. Samsung's Perimeter XRF Series displays enable venues to capitalize on such captive audiences through brilliant, LED-quality content. Designed specifically for stadiums and arenas, the Perimeter XRF Series displays offer superior durability with minimal maintenance required, and represent a cost-efficient alternative to more traditional in-venue advertising channels.

HIGHLIGHTS

- Optimized picture quality maintains clear and colorful content across all times and conditions
- Soft-top cushion and rubber louver protect both on-field personnel and display components from competitive impact
- Durable design ensures ongoing performance when exposed to dust or water
- Module-based design simplifies maintenance and installation
- Data redundancy contains outages should an error occur

INDUSTRY TRENDS

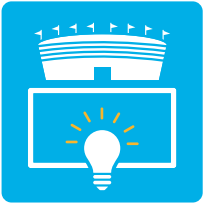
Advertising and promotional content have become synonymous with sporting events. Not surprisingly, the sports and leisure market is among the fastest growing within the digital display space. More sporting venues are turning to advanced signage to offer both a differentiated experience for customers as well as new revenue-generation opportunities through innovative advertising. With a range of options available, venue decision-makers must identify and successfully implement stand-out solutions without impeding game quality or sacrificing their own efficiency.

SAMSUNG'S PERIMETER XRF SERIES: A SMART PLAY FOR AN ENHANCED CONTENT EXPERIENCE



TRUSTED AND RELIABLE

Much as star athletes ready themselves for competition, Samsung's Perimeter XRF Series displays undergo rigorous "training" to ensure preparedness for game day. Each display is designed to withstand a variety of changing weather, temperature and environmental conditions, with IP certification signifying resistance to water and dust. Furthermore, the Perimeter XRF Series displays undergo CE and KC certification testing for safety and environmental hazard mitigation.



A STAPLE OF THE MODERN STADIUM

From large scoreboards to interactive ticketing kiosks and concession stand signage, Samsung is a total solutions provider to stadiums and arenas worldwide. Samsung understands the needs of the sports venue marketplace, and continues to introduce comprehensive solutions that empower operational efficiency while achieving an exhilarating fan experience.



EXCEPTIONAL PICTURE QUALITY

Samsung's visual display technologies consistently surpass customers' expectations for cutting-edge picture quality and an exceptional viewing experience. The Perimeter XRF Series displays are no different, enlivening promotional content through a brilliant, high-resolution, LED-quality presentation that not only wows fans, but goes beyond the requirements set forth by most major sports leagues.



KEY FEATURES



* 'Conventional' refers to displays with low brightness and low refresh rate.

UNIFORM CONTENT DELIVERY IN ANY SETTING

The 10 mm. pixel pitch Perimeter XRF Series displays deliver consistently clear branded content to viewers both in the arena and watching at home. A wide viewing angle and elevated brightness make text and images visible from any location regardless of daytime or surrounding conditions. A complementary high refresh rate additionally prevents distortion and waves, and produces a clear, distraction-free presentation even as speeds and zoom-in rates are adjusted during slow motion replays.



REINFORCED FOR COLLISION IMPACT

Whether it be a stray bouncing ball or unintentional contact from a player, official or other on-field personnel member, the Perimeter XRF Series displays are securely designed to withstand and brace for in-game collisions. A soft-top cushion and rubber louver design offer added protection that shields participants from injury, while also safeguarding critical display components and ensuring continuous performance.



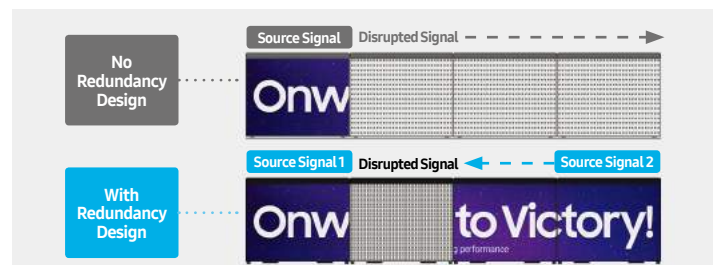
DURABLE FOR ALL CONDITIONS

The Perimeter XRF Series displays maintain continuous performance regardless of surrounding environmental conditions. A sealed-rear design and micro-filter in the fan's power box protect the displays from damage as a result of water or dust exposure. Furthermore, each Perimeter XRF Series display is Ingress Protection (IP) validated, with defense ratings of IP65 and IP55 for the front and rear components respectively. Through this added protection, the Perimeter XRF Series displays better comply with the strict stadium standards set forth by athletic organizations such as UEFA.



INTUITIVE, HASSLE-FREE MAINTENANCE

A simplistic, module-based design reduces installation and maintenance complexities, with only a single wire required to connect each module to the central power box. In turn, venues can ensure a neat and tidy installation that keeps playing fields free of distracting and potentially dangerous wire exposure. Module replacement also is easy, with operators merely having to lift up valves and loosen screws.



SECURE BACK-UP THROUGH ADVANCED REDUNDANCY

Should a particular display module encounter an error, the Perimeter XRF Series displays are engineered to maintain stable, ongoing performance. Signal redundancy confines errors to the single affected cabinet and prevents spreading. As a result, advertising managers can launch their content rotation without worrying about costly, time-consuming maintenance, or delivering potentially-distracting visuals to surrounding audiences.

SPECIFICATIONS

MODEL		XRF100F
Physical Parameter	Pixel Pitch	10.0 mm
	Pixel Configuration	1 Red, 1 Green, 1 Blue
	Pixel Density	10,000 m ² / 929 ft ²
	Diode Density	30,000 m ² / 2,787 ft ²
	Cabinet Configuration (LxH)	128 x 96 pixels
	Diode Type	SMD3535
	Dimensions (LxH)	1280 x 960 x 168 (per cabinet)
	Weight	52kg (per cabinet)
	Cabinet Construction	Aluminum
Optical Parameter	Brightness (after Cal.)	6,750 nit
	Contrast Ratio	3,000:1
	Viewing Angle - Horizontal	150°
	Viewing Angle - Vertical	110°
	Number of Colors	4.4 trillion colors
	Gray Scale Intensity (Bit-depth)	14bit
	Color temperature - Default	6,500K
	Color temperature - Adjustable	2800 - 16000K
Electrical Parameter	Input Power Range	100~120V or 200~240V VAC, 50/60 Hz
	Power consumption - Max	750 (W/m ²) / 69.7 (W/ft ²)
	Power consumption - Typical	240 (W/m ²) / 22.3 (W/ft ²)
	Refresh rate	≥3000 Hz
Operation Conditions	Working Temperature	-30°C to 50°C (-22°F to 122°F)
	Cooling	Fan
	IP Rating	IP65 front/IP55 rear
	LED Lifetime	80,000 hours
Certification	FCC, CE, CB, CCC, KC (TBD)	
Service	Rear Service	

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SMART LED Signage

For more information about Samsung SMART LED Signage Perimeter XRF Series Displays, visit www.samsung.com/business or www.samsung.com/displaysolutions

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