

SAMSUNG

Outdoor LED Signage

XFB Series

Stand out from the competition

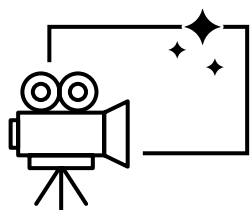


Industry Trend

Around the world, live sporting events continue to grow significantly in popularity. As a result, more new sports stadiums are under construction and LED perimeter displays have become vital, offering new revenue opportunities through advertising during games, while also enhancing the fan experience too.

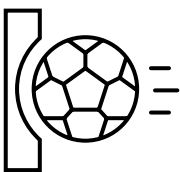
Why Samsung XFB Series

Samsung’s XFB series is the perfect solution for sports stadiums. The brilliant picture quality engrosses spectators, while a 7,680 Hz refresh rate is ideal for live broadcasting. Plus, a soft rubber top-cushion and louver lining protects both players and product from collision impact, while the IP65/65 validated dust-and-water-proof design makes it durable for continuous performance. The XFB also offers versatile design options to suit any venue with installation at a variety of angles and vertical installation.



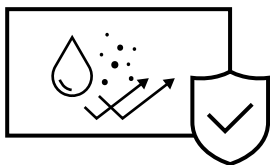
Clear Picture Quality

- 5,500 nit max brightness
- 7,860 Hz high refresh rate
- 16-bit processing



Soft Design

- Soft louver lining
- Rubber top cushion



Reliable Outdoor Performance

- IP65/65 validated cabinet
- Module edge coating
- UV-resistant materials



Flexible Installation

- Adjustable cabinet stand
- Vertical installation support

Key features



High Brightness

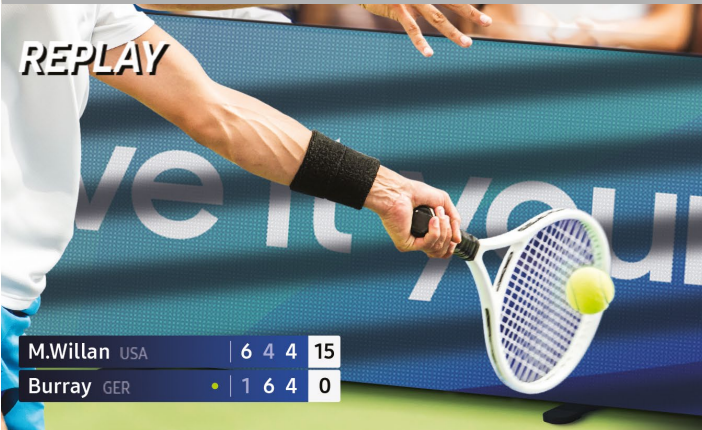


7860Hz High Refresh Rate



16-bit Processing

Conventional



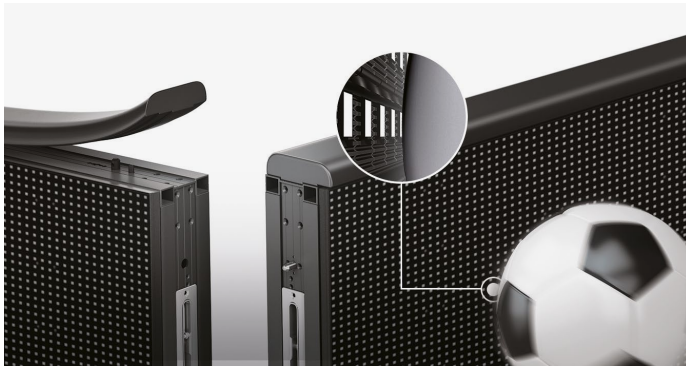
Samsung XFB Series



Brilliant visuals perfect for broadcasting

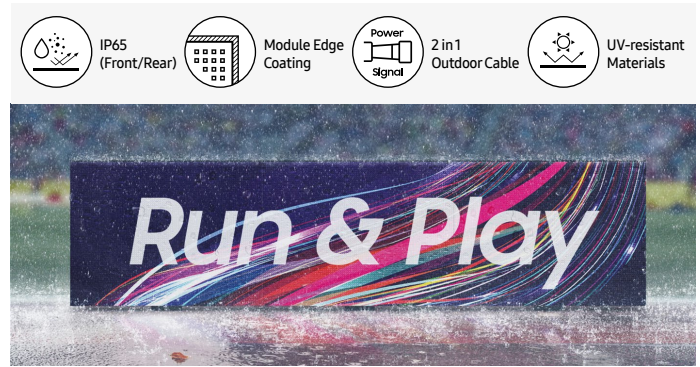
Enjoy perfect clarity even in live broadcasts. The XFB series provides 7,680Hz refresh rate to minimize distortion and waves, making it ideal for broadcast and commercials. The XFB features high brightness and 16-bit color processing, delivering vivid messages regardless of the conditions or setting.

Key features



Soft design with player safety in mind

Samsung's XFB series is designed to protect players from the impact of collision against the perimeter with a soft rubber top-cushion. Plus, a rubber louver lining braces the LED diodes to withstand accidental contact by a player or a stray ball to ensure durable and continuous performance.



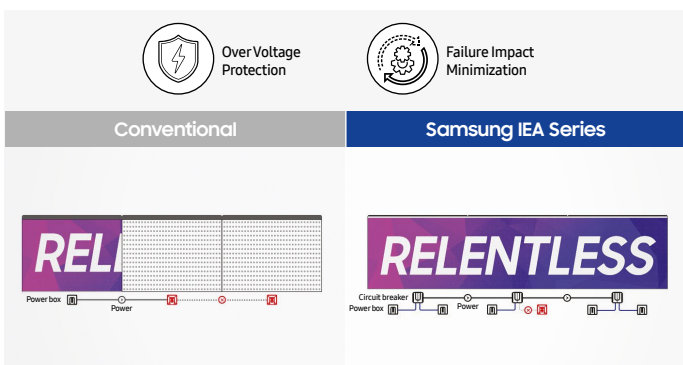
Built to perform in the outdoors

For premium outdoor stadium performance, the XFB series is IP65 validated as dust- and water-proof to ensure long-lasting durability. The display is equipped with paint and plastic, preventing further penetration of UV light, thereby preserving the materials and its appearance.



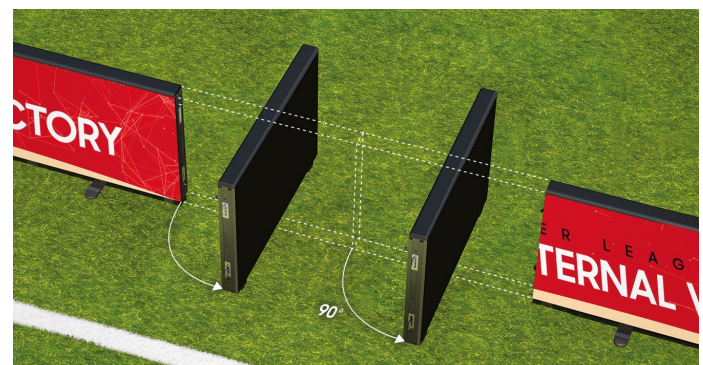
Flexible installation to suit versatile needs

Thanks to an adjustable cabinet stand, the XFB series can accommodate installation at a variety of angles: 90-, 80- and 70-degrees. The XFB series also offers vertical, stacked installation options that provide greater customization to meet any requirement.



Maximum safety, minimal disruptions

The XFB series uses panels that are assembled with meticulous attention to safety standards. Designed with individual circuit breakers, over-voltage is prevented while failure impact is minimized. The display can continue to perform regardless of internal power issues, in a safe way.



Rotate with ease in case of emergency

Samsung's XFB series provides rotation support function for emergency handling. In the case of an emergency, the display can be rotated to open an escape route for players inside the stadium to evacuate, or for those requiring medical assistance to have a clear path off the pitch quickly.

Model		XFB
		LH100XFBZC
Physical Parameter	Pixel Pitch	10 mm
	Pixel Configuration	SMD 3-in-1
	Pixel Density (m²)	10,000 pixels/m²
	Pixel Density (Panel)	10,800 pixels/panel
	Physical Resolution of Module (W × H)	30 × 30
	Physical Resolution of Panel (W × H)	120 × 90
	LED Module Dimensions (mm)	300 × 300
	No. of Modules Per Panel (W × H)	4 x 3
	Panel Dimensions (W × H × D) (mm)	1,200mm x 900mm (Active Area) 1,200mm x 970mm x 143.5mm (Bar, Rotating) / 1,200mm x 970mm x 177.5mm (Bar, Incline)
	Weight Per Panel	44(Rotating)/46 (Incline)±5%
Optical Parameter	Weight Per m²	38(Rotating)/40(Incline)±5%
	Cabinet Material	Aluminum
	Brightness (after Cal.)	5,500nits
	Contrast Ratio	4,000 : 1
	Horizontal Viewing Angle	160°
	Vertical Viewing Angle	120°
	Processing	16 bit
	Colours	281 trillion
	Color Temperature - Default	6,500K±500K
	Color Temperature - Adjustable	2,800~16,000K
Electrical Parameter	Average Power Consumption	281 W/panel
	Max Power Consumption	843 W/panel
	Max Power Consumption (w/m2)	780
	Max Power Consumption (w/Cabinet)	843
	Typical Power Consumption (w/m2)	260
	Typical Power Consumption (w/Cabinet)	281
	Max BTU (BTU/m2)	1331
	Max BTU (BTU/Cabinet)	1439
	Typical BTU (BTU/m2)	444
	Typical BTU (BTU/Cabinet)	480
Operation Conditions	Refresh Rate	7,860 Hz
	Operating Temp/Humidity	-30 - 50°C / 10% - 90%
	Storage Temp/Humidity	-30 - 60°C / 10% - 95%
	IP Rating	Front IP 65, Back IP65
Certification	Expected LED Lifetime (Max)	100,000 Hrs
	Safety	62368-1, 60950-1
Service	EMC	Class A
	Servicing	Front and Rear
Package	Packing Method (Wooden Box)	Wooden box (2 in 1)
	Packaging Dimensions (mm, W×H×D)	1270x1110x450
	Package Weight Including Cabinets(kg)	137(1 Box& 2 cabinets)
	Packaging Method (Flight Case)	Flight Case (2in1)
	Packaging Dimensions (mm, W×H×D)	1260x1210x440
	Package Weight Including Cabinets(kg)	115(1 Box& 2 cabinets)
	Packaging Method (Dolly Case)	Dolly Case (5 in 1 or 4 in 1)
	Packaging Dimensions (mm, W×H×D)	1385*1176*1055 (5 in 1, Rotating) / 1385*1176*970 (4 in 1, Incline)
Curve Installation	Package Weight Including Cabinets (kg)	355 (Rotating) / 314 (Incline)
	Curve Support (-:concave +: convex)	N/A
Etc. Info.	No. of LED Bin for 1 project	Single Bin
	Max Stacking	N/A
	Max Hanging	N/A

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SMART LED Signage

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