



Samsung's XPR-B is a great wayfinding solution for entertainment venues.

Easily provide wayfinding technology to guests.

Samsung's outdoor LED XPR-B display offers a sleek, brilliant display that captivates your guests attention while helping venues provide wayfinding information, emergency messaging, and advertising the latest deals.

An XPR-B solution display allows you to have the medium to communicate health related protocols, and emergency messages immediately to your guests.

Key Features



Build to withstand all weather

The Samsung XPR-B LED display features an advanced heat dissipation mechanism to prevent overheating. The cabinet and components inside are waterproof for added reliability in any weather conditions.



Multiple operational safeguards

All modules are connected to each other, so an issue with a single control board won't have an impact on the displayed content. The screens also protect against interruptions resulting from power supply failure. Our XPR-B displays are not affected from the power disruption as each unit is coupled with a back-up.



Longer life and image quality

Our design is more robust, leading to longer life and better image quality over time. Through the use of cutting edge design and high quality materials we create a cost effective display that is built to last.



Cloud-based content

Samsung provides cloud-based content and display management with AI driven tools to help you create content that will not only draw your audience in but impress them with your brand.



Warranty and service support

We have an outstanding warranty and service support call center. Our US based Network Operations Center (NOC) is open 24/7/365.



Exceptional picture quality

The XPR-B series delivers clear, brilliant images and prevents interruptions, no matter where they are installed. Eye-catching brightness combined with a high refresh rate, means content is clearly visible in any weather or lighting conditions.

XPR-B Specifications

	Model Name	XPR-B 8mm (All Sizes)	XPR-B 10mm (All Sizes)	XPR-B 16mm (All Sizes)
Physical Parameter	Pixel Pitch	8.333mm	10.416mm	16.666mm
	Pixel Configuration	1 red, 1 green, 1 blue	1 red, 1 green, 1 blue	1 red, 1 green, 1 blue
	Diode Density	14,400 m ²	9,216 m ²	3,600 m ²
	Diode Type	Surface Mount Device (SMD)	Surface Mount Device (SMD)	Discrete lamp
	Cabinet Construction	Aluminum	Aluminum	Aluminum
Optical Parameter	Brightness	7,000 nit	7,000 nit	7,500 nit
	Contrast Ratio	7,000:1	7,000:1	7,500:1
	Viewing angle - Horizontal	160° (+/- 80°)	160° (+/- 80°)	160° (+/- 80°)
	Viewing angle - Vertical	90° (+25/- 65°)	90° (+25/- 65°)	90° (+25/- 65°)
	Video Processing	24 bit, 100% digital	24 bit, 100% digital	24 bit, 100% digital
	Color Processing	16 bit per color (48 bit total)	16 bit per color (48 bit total)	16 bit per color (48 bit total)
	Number of colors	281 trillion colors	281 trillion colors	281 trillion colors
	Dimming Capability	256 levels of brightness	256 levels of brightness	256 levels of brightness
	Color Wavelength	red: 630nm, green: 530nm, blue: 468nm	red: 630nm, green: 530nm, blue: 468nm	red: 630nm, green: 530nm, blue: 468nm
	Color temperature - Default	6,500K	6,500K	6,500K
Color temperature - Adjustable	4,500 - 9,000K	4,500 - 9,000K	4,500 - 9,000K	
Electrical Parameter	Video Rate	60 frames per second	60 frames per second	60 frames per second
	Animation Rate	60 frames per second	60 frames per second	60 frames per second
	Input Power Range	100/240 volts, 50/60 Hz	100/240 volts, 50/60 Hz	100/240 volts, 50/60 Hz
	Refresh rate	7680hz	7680hz	7680hz
	Power Redundancy	Standard, Load sharing	Standard, Load sharing	Standard, Load sharing
	Calibration White Point	D65 - 6500K	D65 - 6500K	D65 - 6500K
	Calibration Standards	REC 709, REC 2020 or Max Gamut	REC 709, REC 2020 or Max Gamut	REC 709, REC 2020 or Max Gamut
Operation Conditions	Working Temperature	-40°C to 55°C (-40°F to 131°F)	-40°C to 55°C (-40°F to 131°F)	-40°C to 55°C (-40°F to 131°F)
	Cooling	Front Ventilated, Quiet running vent fans	Front Ventilated, Quiet running vent fans	Front Ventilated, Quiet running vent fans
	LED Lifetime	100,000 hours	100,000 hours	100,000 hours
	Monitoring function	Temperature, module working, F/W version, webcam, interface status, power status, LOD, cal data on module, blanking	Temperature, module working, F/W version, webcam, interface status, power status, LOD, cal data on module, blanking	Temperature, module working, F/W version, webcam, interface status, power status, LOD, cal data on module, blanking
Certification	Certification	CE, UL / ULC listed	CE, UL / ULC listed	CE, UL / ULC listed
Service	Service	Front Service Only	Front Service Only	Front Service Only

XPR-B Size Options

		Matrix (Pixels)	Dimensions (inch, LxHxD, per cabinet)	Weight (per cabinet/per m ²)	Input Power Range	Power consumption - Max (W)	Power consumption - Typical (W)
Size Options (modules) (Each come in 8mm, 10mm, or 16mm)	8w x 3h (Single Face or Double Face)	8mm: 240x90 10mm: 192x72 16mm: 120x45	81.9 x 33.2 x 5.9 inch	74.1 kg (163.5 lbs) / 49.4 kg	100/240 volts, 50/60 Hz	8mm: 1600 10mm: 1750 16mm: 1300	8mm: 465 10mm: 465 16mm: 360
	8w x 4h (Single Face or Double Face)	8mm: 240x120 10mm: 192x96 16mm: 120x60	81.9 x 43.1 x 5.9 inch	99.8 kg (220.0 lbs) / 49.4 kg	100/240 volts, 50/60 Hz	8mm: 2100 10mm: 2300 16mm: 1300	8mm: 600 10mm: 600 16mm: 460
	9w x 4h (Single Face or Double Face)	8mm: 270x120 10mm: 216x96 16mm: 135x60	91.7 x 43.1 x 5.9 inch	111.2 kg (245.2 lbs) / 49.4 kg	100/240 volts, 50/60 Hz	8mm: 2600 10mm: 2850 16mm: 1900	8mm: 668 10mm: 668 16mm: 510
	12w x 6h (Single Face or Double Face)	8mm: 360x180 10mm: 288x144 16mm: 180x90	121.3 x 62.8 x 5.9 inch	222.3 kg (490.1 lbs) / 49.4 kg	100/240 volts, 50/60 Hz	8mm: 4600 10mm: 5050 16mm: 2800	8mm: 1275 10mm: 1275 16mm: 960

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