



## XPR-B Series LED signage solution Samsung's Flexible All-In-One Package

### Highlights

- All-in-one package that reduces installation time and eases on-site setup
- Ability to put displays back-to-back
- Captivate and entertain viewers with remarkable, vibrant images
- Designed with a low profile to engage audiences constantly
- Flexible, seamless installation through a distinctive cabinet and captive mounting points
- Create, schedule and deploy content easily through an integrated management platform
- Monitor and manage display performance through a single central interface

As businesses seek new avenues to attract customers, LED displays have emerged as a more versatile upgrade to static analog signage. However, some business owners have avoided making the switch, fearing they do not have the time or technical expertise to successfully implement a LED option. Samsung's XPR-B Series LED Solution alleviates these concerns with an all-in-one display package that includes LED signage and content management solution.

With a stress-free installation of uni-body cabinet structure, businesses do not need to worry about a cumbersome setup. Each LED display comes with an integrated content management solution that allows users to conveniently create, schedule and deploy exclusive content that is inviting to customers. Samsung's reliable, ready-made displays simplify the LED transition process and generate new possibilities to stand out among its competitors.

## Introducing, the XPR-B series cabinet

Samsung has designed and installed some of the most iconic digital displays throughout the world. We've incorporated the knowledge gained from thousands of displays installations into the XPR-B Series cabinet.

### Low profile design

XPR-B Series' cabinet increases the aesthetics of the display by reducing the visual presence of the cabinet. At only 5" deep, the display integrates within the surrounding structure; to put it simply, viewers see the message, not the cabinet.



### Front ventilation

The XPR-B Series' unique ventilation system has air intake and exhaust all through the front face of the display. This removes the burden of side and rear air flow requirements. This critical innovation allows for flush mounting of the cabinet within a structure.



### Designed to impress

The XPR-B series is designed with a sleek style and slim depth is attributed to its front ventilation system and captive mounting points. This slim design does not distract audiences away from the content presented and complements the site where the displays installed.



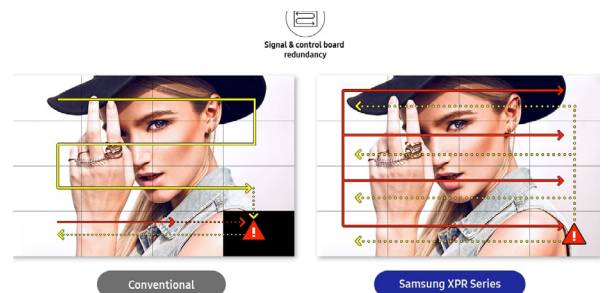
### Ease of installation

Incorporating the XPR-B series into any business is straightforward and stress-free. With a distinctive cabinet design, the display is tailored to the user's needs with a flexible and effortless installation. In addition, users may obtain the LED Signage in as little as two weeks.



### Integrated operational safeguards

The XPR-B series features multiple operational safeguards to prevent errors and interruptions. The displays protect against power disruption as each power supply unit is coupled with a back-up addition.



## Cloud based management

An essential component of the XPR-B Series offering, the Banner Content Management Solution (Banner CMS) platform enables users to conveniently create and share custom messaging across their display network. Banner CMS is compatible with a range of personal devices and content file formats, introducing a new range of LED-ready visual possibilities for content managers. Additionally, users can leverage the Banner CMS platform's centralized management hub to update and schedule content and monitor overall operational performance in a single location.

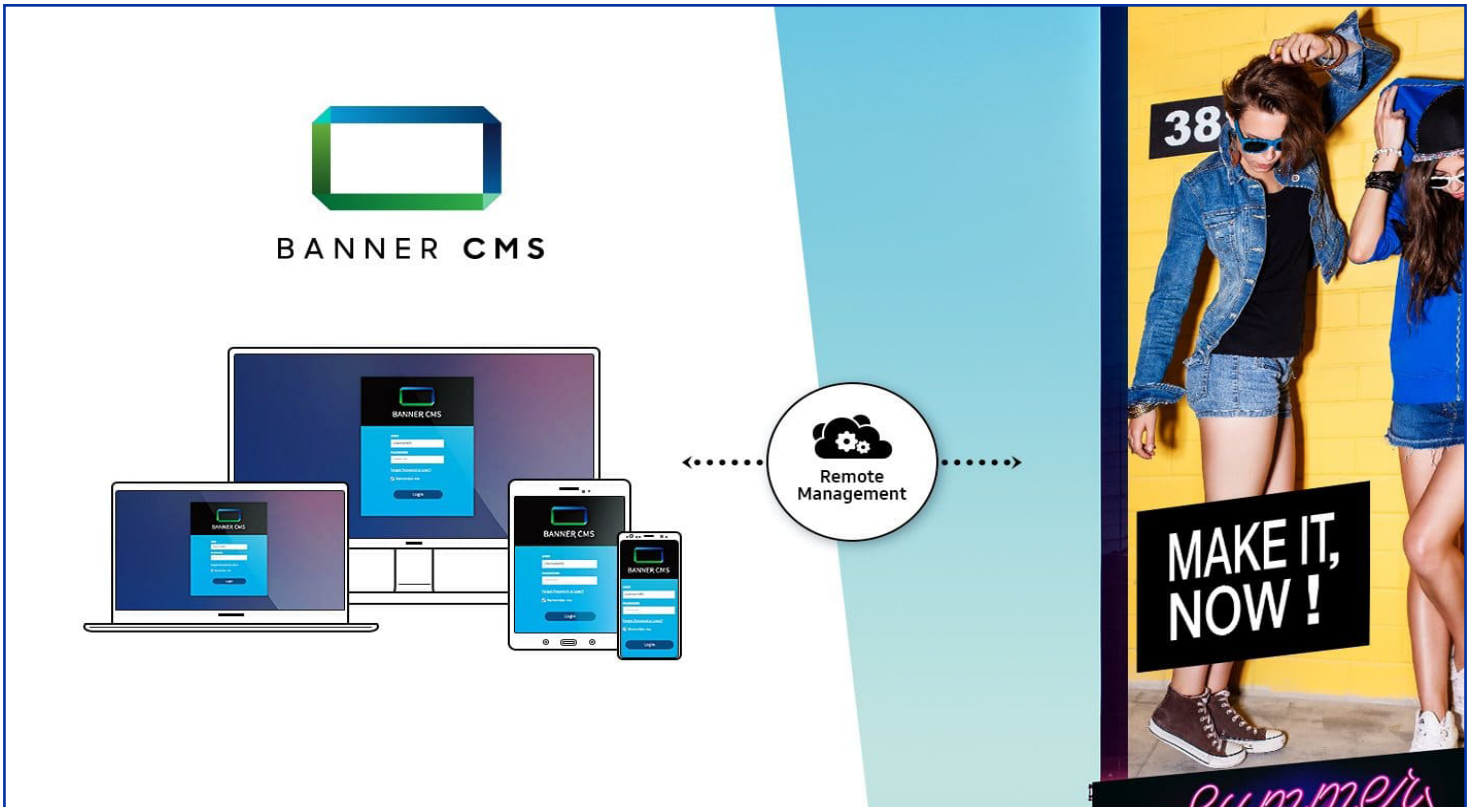
## Option for Double-Sided Display

With any highway billboard or local message center that is on the street, it is crucial to get a double sided display to have the ability to advertize to each direction of traffic. A double sided LED display allows you to double to viewers of your display.



## Convenient and easy to use

The Banner CMS platform is engineered for simplicity, making it easy for users to prepare, schedule and deploy custom content. Compatible with personal devices, including tablets, PCs and smartphones, Banner CMS empowers users to work within the platform anywhere, anytime. With minimal implementation and training required, users can begin building captivating content immediately.



# Specifications

|                             | XPR-B P8 8x4                          | XPR-B P10 8x4   | XPR-B P16 8x4   | XPR-B P8 12x6   | XPR-B P10 12x6  | XPR-B P16 12x6  |   |
|-----------------------------|---------------------------------------|---|---|---|---|---|---|
| Physical Parameter          | Basic Model Code                      | TBD   | TBD   | TBD   | TBD   | TBD   |   |
|                             | Specification                         | Outdoor   | Outdoor   | Outdoor   | Outdoor   | Outdoor   |   |
|                             | Pixel Pitch                           | 8.333mm   | 10.416mm  | 16.666mm  | 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  | 1 red, 1 green, 1 blue  | 1 red, 1 green, 1 blue  | 1 red, 1 green, 1 blue  |
|                             | Diode Density                         | 14,400 m2   | 9,216 m2  | 3,600 m2  | 14,400 m2   | 9,216 m2  | 3,600 m2  |
|                             | Configuration (LxH, per cabinet)      | 240x120 pixels  | 192x96 pixels   | 120x60 pixels   | 360x180 pixels  | 288x144 pixels  | 180x90 pixels   |
|                             | Diode Type                            | Surface Mount Device (SMD)  | Surface Mount Device (SMD)  | Discrete lamp   | Surface Mount Device (SMD)  | Surface Mount Device (SMD)  | Discrete lamp   |
|                             | Dimensions (mm, LxHxD, per cabinet)   | 2000x1150x264.3 mm  | 2000x1150x264.3 mm  | 2000x1150x264.3 mm  | 2500x1650x264.3 mm  | 2500x1650x264.3 mm  | 2500x1650x264.3 mm  |
|                             | Dimensions (inch, LxHxD, per cabinet) | 80 x 46 x 10.4 inch   | 80 x 46 x 10.4 inch   | 80 x 46 x 10.4 inch   | 120 x 66 x 10.4 inch  | 120 x 66 x 10.4 inch  | 120 x 66 x 10.4 inch  |
|                             | No. of Modules (WxH, per cabinet)     | 8 x 4   | 8 x 4   | 8 x 4   | 12 x 6  | 12 x 6  | 12 x 6  |
| Weight (per cabinet/per mm) | TBU                                   | TBU   | TBU   | TBU   | TBU   | TBU   |   |
| Optical Parameter           | Cabinet Construction                  | Aluminum  | Aluminum  | Aluminum  | Aluminum  | Aluminum  |   |
|                             | Brightness                            | 7,000 nit   | 7,000 nit   | 7,500 nit   | 7,000 nit   | 7,000 nit   | 7,500 nit   |
|                             | Contrast Ratio                        | 7,000:1   | 7,000:1   | 7,500:1   | 7,000:1   | 7,000:1   | 7,500:1   |
|                             | Viewing angle - Horizontal            | 160° (+/- 80°)  | 160° (+/- 80°)  | 160° (+/- 80°)  | 160° (+/- 80°)  | 160° (+/- 80°)  | 160° (+/- 80°)  |
|                             | Viewing angle - Vertical              | 90° (+25/- 65°)   | 90° (+25/- 65°)   | 90° (+25/- 65°)   | 90° (+25/- 65°)   | 90° (+25/- 65°)   | 90° (+25/- 65°)   |
|                             | Video Processing                      | 24 bit, 100% digital  | 24 bit, 100% digital  | 24 bit, 100% digital  | 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)   | 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   | 281 trillion colors   | 281 trillion colors   | 281 trillion colors   |
|                             | Dimming Capability                    | 256 levels of brightness  | 256 levels of brightness  | 256 levels of brightness  | 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   | red: 630nm, green: 530nm, blue: 468nm   | red: 630nm, green: 530nm, blue: 468nm   | red: 630nm, green: 530nm, blue: 468nm   |
| Electrical Parameter        | Color temperature - Default           | 6,500K  | 6,500K  | 6,500K  | 6,500K  | 6,500K  |   |
|                             | Color temperature - Adjustable        | 4,500 - 9,000K  | 4,500 - 9,000K  | 4,500 - 9,000K  | 4,500 - 9,000K  | 4,500 - 9,000K  |   |
|                             | Video Rate                            | 60 frames per second  | 60 frames per second  | 60 frames per second  | 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  | 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   | 100/240 volts, 50/60 Hz   | 100/240 volts, 50/60 Hz   | 100/240 volts, 50/60 Hz   |
|                             | Power consumption - Max               | 2100  | 2100  | 1100  | 4600  | 4600  | 2600  |
|                             | Power consumption - Typ               | 600   | 600   | 460   | 1275  | 1275  | 960   |
|                             | Refresh rate                          | 7680hz  | 7680hz  | 7680hz  | 7680hz  | 7680hz  | 7680hz  |
|                             | Power Redundancy                      | Power Redundancy through load sharing between 4 Power Supply Units  | Power Redundancy through load sharing between 4 Power Supply Units  | Power Redundancy through load sharing between 2 Power Supply Units  | Power Redundancy through load sharing between 4 Power Supply Units  | Power Redundancy through load sharing between 4 Power Supply Units  | Power Redundancy through load sharing between 2 Power Supply Units  |
|                             | Calibration White Point               | D65 - 6500K   | D65 - 6500K   | D65 - 6500K   | D65 - 6500K   | D65 - 6500K   | D65 - 6500K   |
| Operation Conditions        | Calibration Standards                 | REC 709, REC 2020 or Max Gamut  | REC 709, REC 2020 or Max Gamut  | REC 709, REC 2020 or Max Gamut  | REC 709, REC 2020 or Max Gamut  | REC 709, REC 2020 or Max Gamut  |   |
|                             | 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)  | -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   | Front Ventilated, Quiet running vent fans   | Front Ventilated, Quiet running vent fans   | Front Ventilated, Quiet running vent fans   |
|                             | IP Rating                             | IP55  | IP55  | IP55  | IP55  | IP55  | IP55  |
|                             | LED Lifetime                          | 100,000 hours   | 100,000 hours   | 100,000 hours   | 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 | 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 Service       | Certification                         | CE, UL / ULC listed   | CE, UL / ULC listed   | CE, UL / ULC listed   | CE, UL / ULC listed   | CE, UL / ULC listed   |   |
|                             | Service                               | Front Service   | Front Service   | Front Service   | Front Service   | Front Service Only  |   |