# SS1 MAX Series

## Perimeter LED Screen for Stadium - P6.2, P8.3, P10



UEFA standard

Quick installation

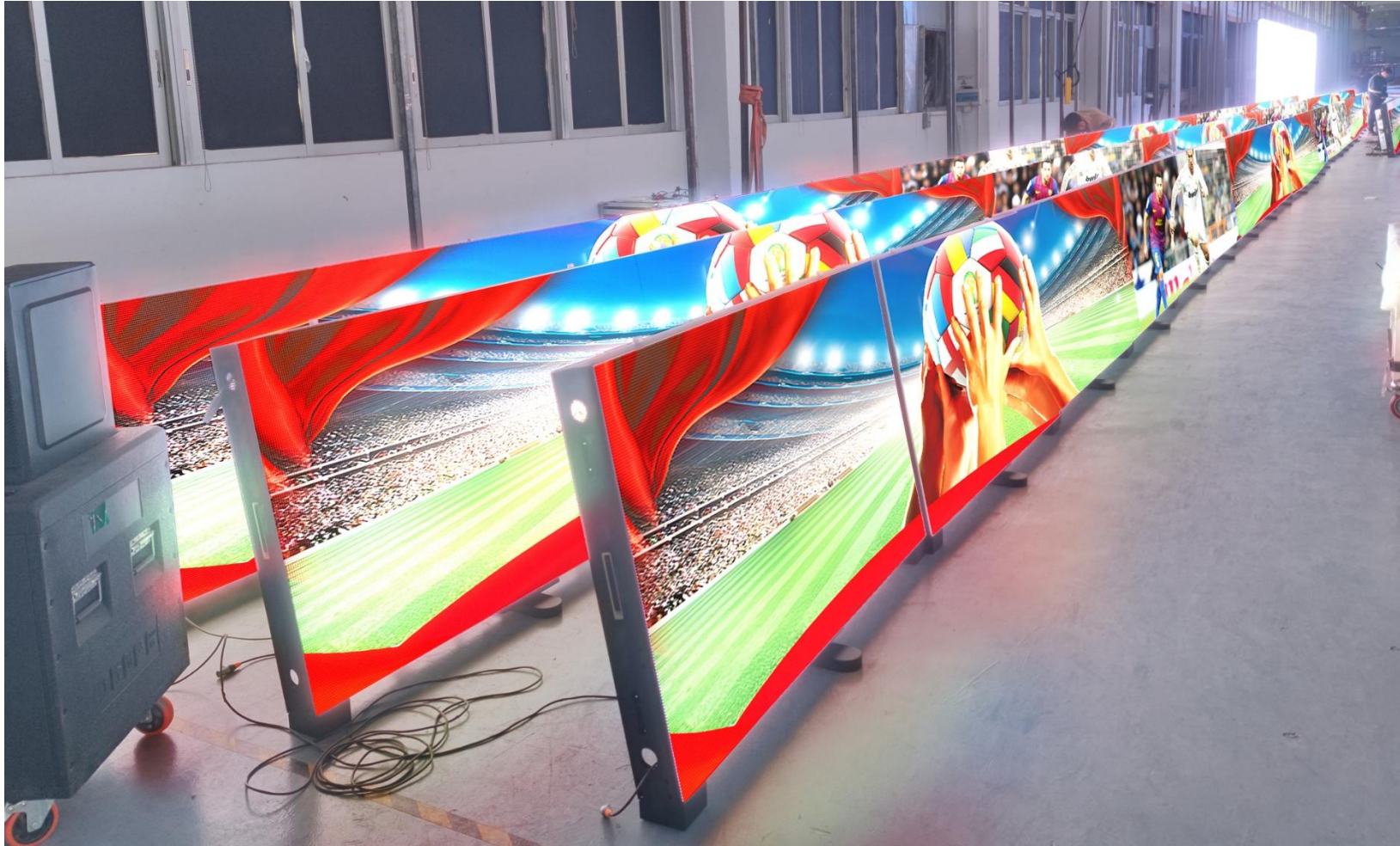Incline & straight stand

IP68/IP66

CE Certified

3,840Hz – 18,000Hz

Individual breaker

Redundancy Power & Signal

## Emergency Passage Design

The LED display cabinet is capable of horizontal rotation. In the event of an emergency, the rotating LED panel can be opened to create a gap in the stadium screen, providing an emergency passage for players or spectators to enter or exit the stadium. This feature ensures a safe and efficient evacuation process during critical situations.

## More Reliable Design

This LED panel is equipped with a robust support bracket that can be extended to the front of the panel, thereby enhancing the stability of the LED panel support. In the event of a storm causing the LED panel to be knocked down, its IP66 waterproof rating ensures that the screen remains safe and protected. Additionally, the product features an excellent heat dissipation design due to both the material of the LED cabinet and the box for mounting the power supply on the back of the LED cabinet being made of aluminum. This allows it to function properly even in high temperatures up to 60 degrees in Middle Eastern weather conditions.

## Fast installation, Saving Time and Effort

The length of the LED panel is 1.6m, which allows for quicker installation compared to the traditional stadium perimeter screen banner, which is only 0.96m long. Furthermore, the ergonomic cabinet handle design reduces the installer's energy when carrying the perimeter LED panel. In addition, we have opted for dollies made of high-quality aluminum alloy instead of conventional flight case packaging to ensure durability. The lightweight and flexible cart design greatly assists installers in pushing quickly and saving time and effort. Moreover, the scientific design of the dolly maintains stability when pushed on uneven ground to protect the box from impact damage.

## UEFA/FIFA Standard

Our SS1 MAX features a well-designed cabinet with front and back maintenance capabilities. Additionally, module replacement can be completed in less than a minute, allowing for quick resolution of any emergencies that may arise during gameplay due to malfunctioning modules. Furthermore, the hard pin connection design of the SS1 MAX series modules provides increased stability compared to conventional soft ribbon cable connection designs.

**Never Blackout**

The LED panel is designed with N+1 redundancy for both the power and signal systems, ensuring that the screen will never blackout even in the event of a power supply or receiving card failure. The LED panel operates on an AC110V - AC220V voltage system, making it compatible with power systems worldwide. Additionally, the panels are certified by CE, ROHS, ETL, CB, CCC, and other relevant standards.

## More Secure

The SS1 MAX perimeter LED panel is equipped with an excellent control system, allowing the default graphics to be stored in the panels in case of total data connection loss. Furthermore, when a single cabinet is changed, current data along with color and brightness information will be retained within the cabinets. Each panel is also fitted with its own breaker to ensure protection for both the panel itself and individuals such as players or audience members on the field.

## Better visual effect

SS1 MAX boasts a refresh rate of 7680Hz and 16bits grayscale, delivering stunning visual effects whether viewed with the naked eye or through a camera. The system is seamlessly viewed as one single screen.

## Application Fields

Due to its superior performance and unique design, the perimeter LED screen can be utilized both indoors and outdoors. It is commonly used in stadiums for various purposes:

- **Perimeter Banner Screen;**
- **Score Board;**
- **Live Feed Video Screen;**

| Item | P6.2 | P8.3 | P10 |
|---|---|---|---|
| Pixel Pitch | 6.25mm | 8.33mm | 10mm |
| LED Type | SMD 2727 | SMD 3535 | SMD 3535 |
| Module Resolution | 64dots × 48dots | 48dots × 36dots | 40dots × 30dots |
| Driving Mode | Constant Current | Constant Current | Constant Current |
| Module Pixels | 3072dots | 1,728dots | 1200dots |
| Module Size | 400mm × 300mm | 400mm × 300mm | 400mm × 300mm |
| Cabinet Size | 1,600mm × 900mm | 1,600mm × 900mm | 1,600mm × 900mm |
| Cabinet Resolution | 240dots × 135dots | 192dots × 108dots | 160dots × 90dots |
| Pixel Density | 25,600dots/㎡ | 14,400dots/㎡ | 10,000dots/㎡ |
| Minimum Viewing Distance | ≥6m | ≥8m | ≥10m |
| Brightness | 6,000nits～10,000nits | 6,000nits～10,000nits | 6,000nits～10,000nits |
| IP Grade | Front IP68 / Rear IP66 | Front IP68 / Rear IP66 | Front IP68 / Rear IP66 |
| Refresh Rate | ≥18000 | ≥18000 | ≥18000 |
| Gray Scale | 14bits～24bits | 14bits～24bits | 14bits～24bits |
| Viewing Angle | H.170° / V.110° | H.170° / V.110° | H.170° / V.110° |
| Contrast Ratio | 4000: 1 | 4000: 1 | 4000: 1 |
| Maximum Power Consumption | 550W/㎡ | 550W/㎡ | 550W/㎡ |
| Average Power Consumption | 200W/㎡ | 200W/㎡ | 200W/㎡ |
| Input Voltage | AC260V～AC90V @ 50Hz / 60Hz | AC220V～AC110V @ 50Hz / 60Hz | AC220V～AC110V @ 50Hz / 60Hz |
| Operating Temperature | - 20℃～60℃ | - 20℃～60℃ | - 20℃～60℃ |
| Operating Humidity | 10%～90% | 10%～90% | 10%～90% |
| Cabinet Material | Aluminum alloy | Aluminum alloy | Aluminum alloy |
| Cabinet Weight | 50kg/panel | 50kg/panel | 50kg/panel |
| Operating System | Windows (Win7, Win10, etc.) | Windows (Win7, Win10, etc.) | Windows (Win7, Win10, etc.) |
| Signal Source Compatibility | DVI, HDMI1.3, DP1.2, SDI, HDMI2.0, etc. | DVI, HDMI1.3, DP1.2, SDI, HDMI2.0, etc. | DVI, HDMI1.3, DP1.2, SDI, HDMI2.0, etc. |