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# SP1 Mini Series

## Indoor Small Pitch Mini LED Display

Cost-Effective

Light Weight

Thin Screen

Easy Maintenance
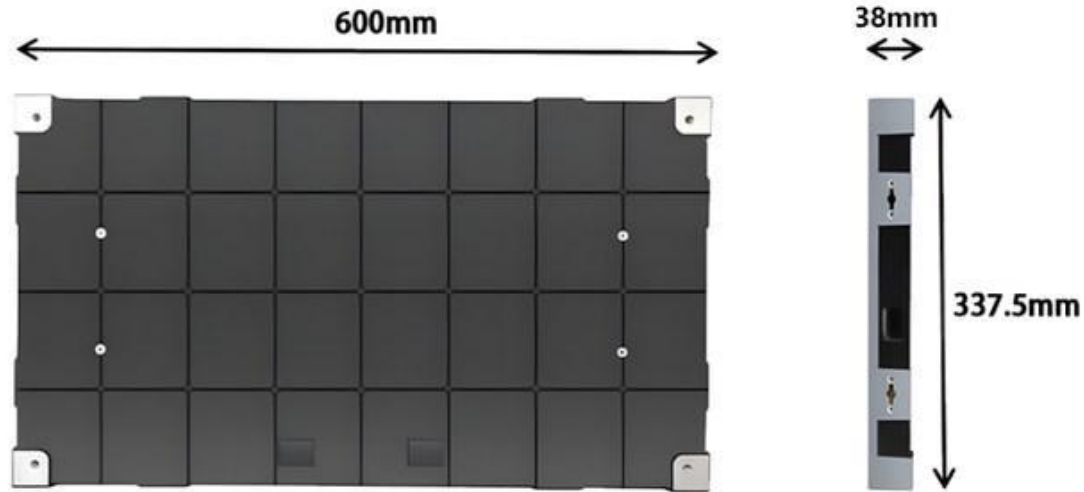
Die-Casting Aluminum

Quick Installation

1920Hz ~ 3840Hz

13bits ~ 16bits

## Advanced Mini LED 4 in 1 technology

Compared to traditional 1R1G1B SMD LED, SP1 Mini series adopts advanced 4R4G4B Mini LED 4 in 1. Mini-LED overcomes the graininess of SMD lamps and realizes smaller LED crystal particles. It enables finer display for small pitch products. This breaks the bottleneck of the small pitch market.

600mm

38mm

337.5mm

## Ultra Light Weight, Thin Screen

Die-casting aluminum design is used in the cabinet and the thickness of cabinet including modules is only 38mm, so each panel weighs only 7.3kgs, which brings much more convenience when we do the installation and transportation. More importantly, it can reduce the pressure of architecture and the risk of collapse.

**Common cathode design**

Mini LED 4 in 1 adopts advanced common cathode design, which greatly save energy, reduce the heat from screen and  extend the lifespan of screen.

At the same time, this is also conducive to optimizing the terminal manufacturing process, reducing the number of solder joints, and improving the cost of the product.

## Easy  Maintenance

The cabinet can be accessed from front side for maintenance and installation. All receiving cards, power supplies, etc can be serviced from the front side.

## Large Viewing Angle

The surface of the screen looks very flat and neat because of the precision of cabinets, and thus the viewing angle can be up to 160°
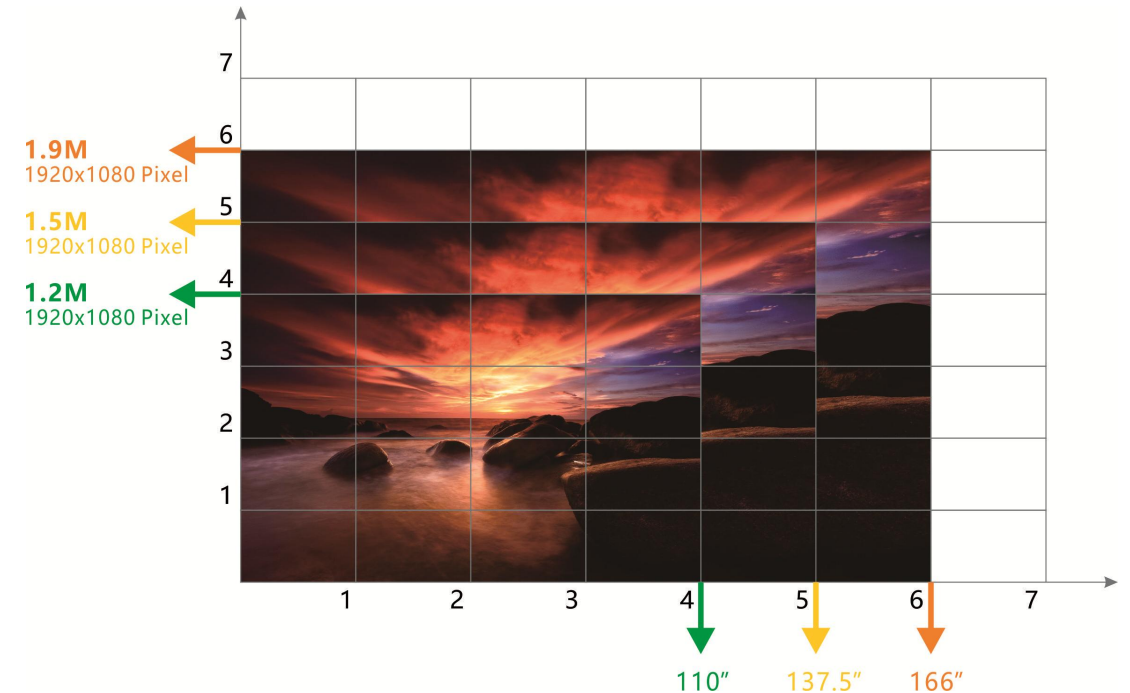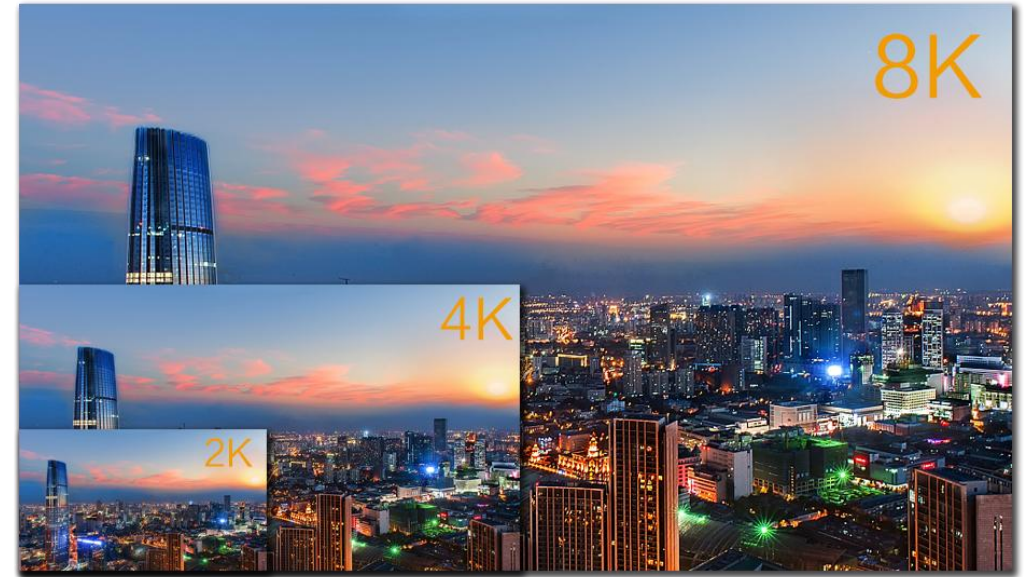
160°

## Five-Star  Performance

SP1 Mini series was put in the market in 2015. The feedback from the clients for this item is 5 stars because of its reliable performance and high quality visual effect.

## Golden Aspect Ratio (16：9)

When we build a screen with 2k, 4k, 8k or some other resolutions, we can still have a 16:9 screen aspect ratio.



**1.9M**
1920x1080 Pixel

**1.5M**
1920x1080 Pixel

**1.2M**
1920x1080 Pixel

110"   137.5"   166"

## Advanced  Visual  Performance

To display the perfect image is not easy, but we persist in producing the high - quality image on the screen. After thousands of tests and improvements, the screen has reached the ideal value of each visual performance.

## Ultimate Refresh Rate
Up to 3840Hz

## Best Gray Scale
Up to 16bits

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## Application   Fields

- **Meeting Room**
- **TV studio**
- **Exhibition Center**
- **Shopping Mall**
- **Airport**

| Item | P0.9 | P1.25 | P1.56 |
|---|---|---|---|
| Pixel Pitch | 0.9375mm | 1.25mm | 1.5625mm |
| LED Type | MINI LED 4 in 1 | MINI LED 4 in 1 | MINI LED 4 in 1 |
| Module Resolution | 320dots × 180dots | 240dots × 135dots | 192dots × 108dots |
| Driving Mode | 1/60scan | 1/45scan | 1/36scan |
| Module Pixels | 57,600dots | 32,400dots | 20,736dots |
| Module Size | 300mm × 168.75mm | 300mm × 337.5mm | 300mm × 168.75mm |
| Cabinet Size | 600mm × 337.5mm × 38mm | 600mm × 337.5mm × 38mm | 600mm × 337.5mm × 38mm |
| Cabinet Resolution | 640dots × 360dots | 480dots × 270dots | 384dots × 216dots |
| Pixel Density | 1137,778dots/㎡ | 640,000dots/㎡ | 409,600dots/㎡ |
| Minimum Viewing Distance | ≥0.9m | ≥1.2 m | ≥1.5 m |
| Brightness | 200-600nits | 200-650nits | 200-800nits |
| IP Grade | Back:IP65, front:IP40 | Back:IP65, front:IP40 | Back:IP65, front:IP40 |
| Refresh Rate | ≥2,880Hz | 2,880Hz ~ 3,840Hz | 3,840Hz |
| Gray Scale | 13bits ~ 16bits | 13bits ~ 16bits | 13bits ~ 16bits |
| Viewing Angle | H:160° / V:160° | H:160° / V:160° | H:160° / V:160° |
| Maximum Power Consumption | 600W/㎡ | 600W/㎡ | 600W/㎡ |
| Average Power Consumption | 230W/㎡ | 100W/m²~260W/㎡ | 230W/㎡ |
| Input Voltage | AC110V ~ AC240V @ 50Hz / 60Hz | AC110V ~ AC240V @ 50Hz / 60Hz | AC110V ~ AC240V @ 50Hz / 60Hz |
| Operating Temperature | - 20℃ ~ 60℃ | - 20℃ ~ 60℃ | - 20℃ ~ 60℃ |
| Operating Humidity | 10% ~ 70% | 10% ~ 70% | 10% ~ 70% |
| Cabinet Material | Die-casting Aluminum | Die-casting Aluminum | Die-casting Aluminum |
| Cabinet Weight | 7.3kg/panel | 7.3kg/panel | 7.3kg/panel |
| Operating System | Windows (Win7, Win8, etc.) | Windows (Win7, Win8, etc.) | Windows (Win7, Win8, 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. |