



CONCEPT LIGHTING
SDN BHD



Outdoor Energy Saving Solution

APS ES Series

| Pixel Pitch | P3.125 | P4.16 | P5 | P6.25 | P8.33 | P10 |
|--|--|------------------------|------------------------|------------------------|------------------------|------------------------|
| LED Type | SMD1415 | SMD1921 | SMD1921 | SMD2727 | SMD2727 | SMD2727 |
| Physical Density (dots/m ²) | 102400 | 57600 | 40000 | 25600 | 14400 | 10000 |
| Module Resolution | 128×96 | 96×72 | 80×60 | 64×48 | 48×36 | 40×30 |
| Module Size (W×H) | 400×300 | 400×300 | 400×300 | 400×300 | 400×300 | 400×300 |
| Cabinet Size(mm) | 800×900/800×1200 | 800×900/800×1200 | 800×900/800×1200 | 800×900/800×1200 | 800×900/800×1200 | 800×900/800×1200 |
| Cabinet Resolution | 256×288/256×384 | 192×216/192×288 | 160×180/160×240 | 128×144/128×192 | 96×108/96×144 | 80×90/80×120 |
| Module QTY /Cabinet (W×H) | 2×3/2×4 | 2×3/2×4 | 2×3/2×4 | 2×3/2×4 | 2×3/2×4 | 2×3/2×4 |
| Cabinet Weight(kg) | 17.5 / 22.5 | 17.5 / 22.5 | 17.5 / 22.5 | 17.5 / 22.5 | 17.5 / 22.5 | 17.5 / 22.5 |
| Maintenance Mode | Front/Back maintenance | Front/Back maintenance | Front/Back maintenance | Front/Back maintenance | Front/Back maintenance | Front/Back maintenance |
| Cabinet Material | Aluminum | Aluminum | Aluminum | Aluminum | Aluminum | Aluminum |
| Brightness | 5000 | 6500 | 6500 | 6500 | 6500 | 6500 |
| Color Temperature(K) | 1000-18500 Adjustable | 1000-18500 Adjustable | 1000-18500 Adjustable | 1000-18500 Adjustable | 1000-18500 Adjustable | 1000-18500 Adjustable |
| Viewing angle | 140°/160° | 140°/160° | 140°/160° | 140°/160° | 140°/160° | 140°/160° |
| The best viewing distance | 4-150m | 4-150m | 5-150m | 6-200m | 8-200m | 10-300m |
| Contrast Ratio | 10000:1 | 10000:1 | 10000:1 | 10000:1 | 10000:1 | 10000:1 |
| Frame Frequency | 50/60 | 50/60 | 50/60 | 50/60 | 50/60 | 50/60 |
| Drive Mode | Static, 1/16 Scan | Static, 1/6 Scan | Static, 1/6 Scan | Static, 1/6 Scan | Static, 1/3 Scan | Static, 1/2 Scan |
| Grey level | 16 bit | 16 bit | 16 bit | 16 bit | 16 bit | 16 bit |
| Refresh Rate (Hz) | 3840 | 3840 | 3840 | 3840 | 3840 | 3840 |
| Max Power Consumption(W/m ²) | 780 | 780 | 780 | 780 | 780 | 780 |
| Average Power Consumption(W/m ²) | 200-300 | 200-300 | 200-300 | 200-300 | 200-300 | 200-300 |
| IP Grade | IP 65 | IP 65 | IP 65 | IP 65 | IP 65 | IP 65 |
| Input Power | AC90-264V, 47-63 Hz | | | | | |
| Working Temperature/Humidity(°C/RH) | -20~60°C / 10%~85% | | | | | |
| Storage Temperature/Humidity(°C/RH) | -20~60°C / 10%~85% | | | | | |
| Cert. | CCC / CE / RoHS / FCC / CB / TUV / IEC | | | | | |



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Front View

Updated mask with corrugated and light refraction design, to achieve high contrast ratio



Rear View

Aluminum cabinet frame, lighter & thinner
Reduce cost of transportation and labor



800x1200 22.5kgs



ES Series



Electric power saving up to

30%

Regular LED Screen



| ES Series | Energy Consumption (w/m ²) |
|---------------------------|--|
| Average Power Consumption | 200-300 |
| Max Power Consumption | 780 |

| Regular LED screen | Energy Consumption (w/m ²) |
|---------------------------|--|
| Average Power Consumption | 425 |
| Max Power Consumption | 1000 |



Wireless Connection

Hot-swapping technology and modular design

Fast Installation

Fast locks+High precision aluminum cabinet frame
Perfect flatness splicing

Front & Rear Maintenance

Multi maintenance ways meets any installation requirement



Energy-saving



Front&rear access



Dot to dot inspection



Brightness & color calibration



Multiple applications