# Shenzhen ERALED Optoelectronics Co., Ltd.

# P12 DIP Outdoor LED Display

## Effect pictures of P12 DIP Outdoor LED Display:

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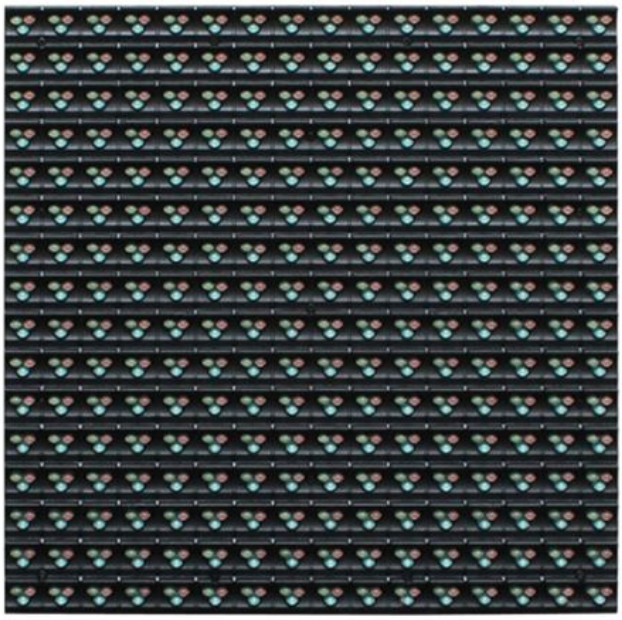
## Module:

### Front side of the module:



Pixel pitch: 12mm

Form: DIP346 1R1G1B

Resolution: 6944 dots/sqm

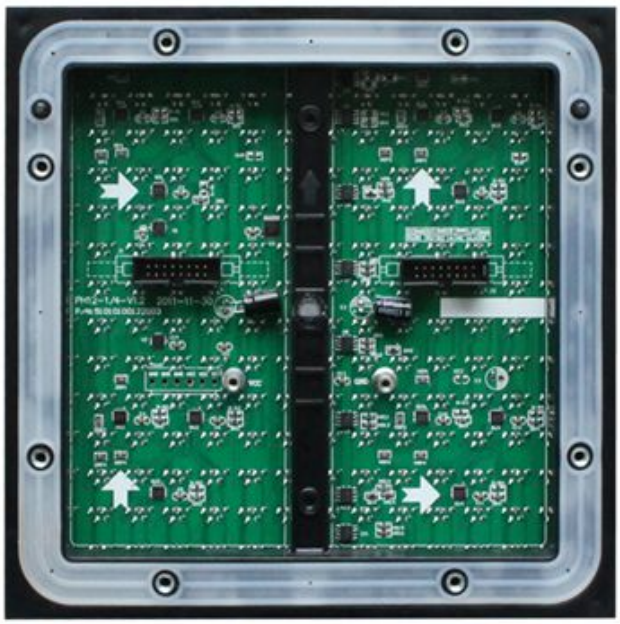
Brightness: 8000nits

Min viewing distance: 7m

Module size: 16dots * 16dots

192mm * 192mm

### Back side of the module:



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| ◆ Technical Specification of P12mm: | | |
|---|---|---|
| Pixel configuration | 1R1G1B | |
| LEDs configuration | Red:wave length: 625~630nm;700-800mcd<br>Green:wave length: 525~530nm;1500-1800mcd<br>Blue:wave length: 470~475nm;400-500mcd | |
| Pixel pitch(mm) | 12 | |
| Pixel density(dots/㎡) | 6944 | |
| Calibrated brightness(cd/sqm,nit) | 8000 nits(adjustable) | |
| Calibrated brightness proportion ratio | R: G: B = 30%:60%:10%(adjustable) | |
| Color temperature | 3,500° — 9,500° K(adjustable) | |
| Contrast ratio | 4,000:1(adjustable) | |
| Brightness adjustment(dimming) | 100 grade auto/manual-adjustment | |
| View angle(degree)(50% brightness) | Horizontal: 120° (60° off center); Vertical: 70° (+25°/-45° off center) | |
| Readability viewing angle | Horizontal: 150° (75° off center); Vertical: 90° (+35°/-55° off center) | |
| Color capability | 4.4 trillion | |
| Refresh rate(Hz) | >1200 Hz(adjustable) | |
| Frame frequency(Hz) | >60 Hz | |
| Interface port | DVI interface(DVI connector) | |
| Input signal | VGA, Video, AVI, MOV, MPG, DAT, VOB etc. | |
| Protection grade | IP65 front side/IP54 backside | |
| LED Drive | Constant-current drive | |
| Lifetime(hours)(50% brightness) | 100,000 hours | |
| Signal transmission direction | Horizontal | |
| Operating temperature(Celsius degree) | -15～+55' | |
| Storage temperature(Celsius degree) | -30～+65' | |
| Operation humidity(RH) | 0-95% | |
| Storage humidity(RH) | 0-99% | |
| Servicing | Front and back serving optional | |
| Control mode | Synchronous & asynchronous available | |
| Communication options | Wire Ethernet, Fiber Ethernet,RF wireless,GPRS | |
| Power | 120/240 V AC single phase(50-60Hz) | |
| Maximum power consumption(W/SQM) | 700 | |
| Average power consumption(W/SQM) | 280 | |
| Screen operation mode(scan/static) | 1 / 4 | |
| **Module configuration(Pixels quantities of the** | Length | 16 |

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| | | |
|---|---|---|
| **module)** | Height | 16 |
| Module dimensions(mm) | Length | 192 |
| | Height | 192 |
| **Cabinet configuration(Module quantities of the cabinet)** | Length | 5 |
| | Height | 5 |
| Cabinet dimensions(mm) | Length | 960 |
| | Height | 960 |
| | Width | 170 |

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