

HIP

LED Displays



P8 OUTDOOR LED DISPLAYS

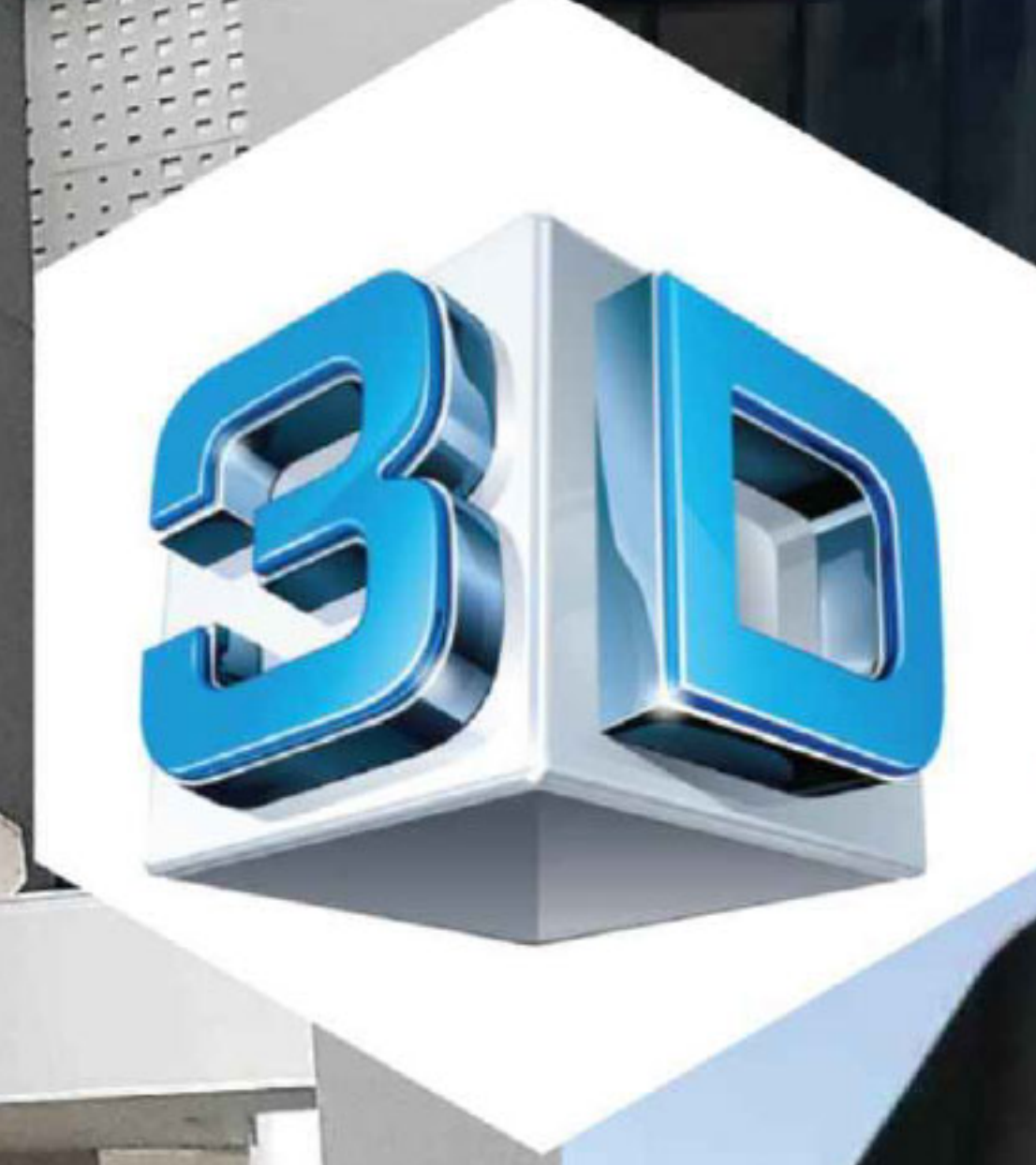
1. The front LED Module must be coated to prevent water and moisture.
2. LED Module on the back must be coated with Silicone Conformal Coating to prevent corrosion of the copper wire of the electrical circuit (PCB Board).
3. It has an environmental protection level of not less than IP65 or better.
4. The material used to make the Display Module box is made of aluminum frame sprayed with black epoxy, resistant to corrosion and scratching, and has UV protection.
5. LED Chip arranged in a Matrix grid. The LED lamp can be used outside (Outdoor Type) wrapped with Optical Grade Epoxy, a type that prevents UV light, can be used outdoors, in high-temperature environments, and the LEDs used must come from the high-standard manufacturers currently in use, which must be certified with at least the international standard ISO9001 and must have a copy of the document showing the standard certification from the manufacturer
6. Properties of LED Lamp (Pixel Configuration) Each dot uses the principle of mixing lamp's color, including Red LED, Green LED and Blue LED.
7. The LED lamp used must be a Surface Mount Device (SMD) type.
8. The service life of LED lamps is not less than 10,000 hours at a temperature of +25C.
9. Operating temperature is good in the temperature range of -20 to +60 degrees Celsius.
10. LED Cabinet is square. Not less than 960 mm. x 960 mm. with a number of LED Modules arranged in a grid of not less than 18 Modules per one Cabinet.
11. LED Cabinet can display resolution (Resolution) not less than 96 Pixel (dot) in the long and high sides per 1 Cabinet.
12. The maximum number of colors that can be displayed is not less than 16.7 million colors.
13. Has a brightness level of not less than 6000 NIT (brightness per square meter) can be seen clearly.
14. Have a horizontal view of not less than 160 degrees and vertical not less than 140 degrees.
15. Have a clear vision distance in the minimum field of view of 10 meters
16. It can be used with AC220 Volt voltage and the power supply is Switching Power Supply Output.
17. Has a maximum power consumption rate of not more than 600W/Sqm (Watts/Sq.m.) and an average power consumption rate of 300W/Sqm.
18. Products are certified to ISO9001:2015 , ISO45001:2018 , CE , FCC

ISO9001:2015

ขอสงวนสิทธิ์ในการเปลี่ยนแปลงรายละเอียดโดยไม่ต้องแจ้งให้ทราบล่วงหน้า บริษัท เอช ไอ พี โทลวอล จำกัด

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Technical Specifications

Pixel Pitch	8mm
Pixel Structure	1R1G1B
Pixel Density	15625/m ²
Module Resolution	40(W)*20(H)
Box Size	1280*1280mm
Module Size	320*160mm*12.8mm
Single Point Luminance, Chromaticity Correction	Have
White Balance Brightness	≥6000cd/m ²
Color Temperature	3200K–9300K adjustable
Horizontal Viewing Angle	≥160°
Vertical Viewing Angle	≥140°
Resolution	≥ 97 Pixel/cabinet
Colour	16.7 Million
Visible Distance	≥16 meters
Brightness Uniformity	≥97%
Contrast	≥3000:1
Signal Processing Bits	16 bits*3
Grayscale	16Bit
Control Distance	Gigabit Ethernet cable: 100 meters, Optical fiber: 10 kilometers
Drive Mode	High gray-scale constant current source driver IC
Frame Rate	≥60HZ
Refresh Rate	≥1920HZ
Control Method	Synchronize
Brightness Adjustment Range	0 to 100 stepless adjustment
Continuous Working Time	≥72 hours
Typical Life	50,000 hours
Protection Class	Front IP65, back IP43
Range Of Working Temperature	-20 C° to 60 C°
Operating Humidity Range	10 %- 80% RH non-condensing
Storage Temperature Range	-20 C° to 60 C°
Operating Voltage	DC 5V
Power Requirements	AC: 220×(1±10%)V, 50×(1±5%)Hz
Maximum Power Consumption	600W/m ²
Average Power Consumption	300W/m ²



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