

# outdoor P3.91 LED Display Specifications

## 1. LED lamp

|  | Package      | Colour | Wavelength | View Angle | Test Cond. |
|-----------------------------------------------------------------------------------|--------------|--------|------------|------------|------------|
|                                                                                   | 3in1 SMD1921 | Red    | 620~625nm  | 140°/140°  | 25℃,20mA   |
|                                                                                   |              | Green  | 520~525nm  | 140°/140°  | 25℃,20mA   |
|                                                                                   |              | Blue   | 465~467nm  | 140°/140°  | 25℃,20mA   |

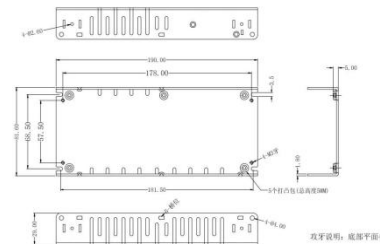
## 2.Power Supply (5v 40A200w) Specifications Technical Parameters

|                            |                                              |
|----------------------------|----------------------------------------------|
| Input Voltage Range        | 200~240Vac                                   |
| Frequency Range            | 47~63Hz                                      |
| Typical Efficiency         | 88% @230Vac and 86% of Full Load             |
| Maximum Input Current      | 1.5A @ 230Vac;                               |
| DC Output Voltage          | 5V                                           |
| Output Voltage Range       | 4.9-5.1V                                     |
| Rated Output Current       | 40A                                          |
| Maximum Output Power       | 200W                                         |
| Short Circuit Protection   | Protection Type : Hiccup mode, Auto-recovery |
| Overload Protection        | 110%~150% of rated load.                     |
| Working Humidity           | 20~90% non-condensing                        |
| Storage Temp. and Humidity | (-30~85℃, 10~95%RH )                         |



0.28Kg/PCS

190×82×30mm



## 3.Receiving Card DH7508S

product Type : Display universal Receiver card

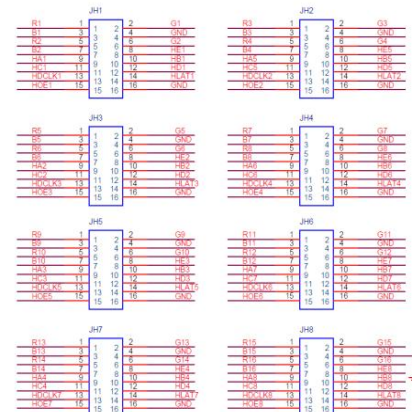
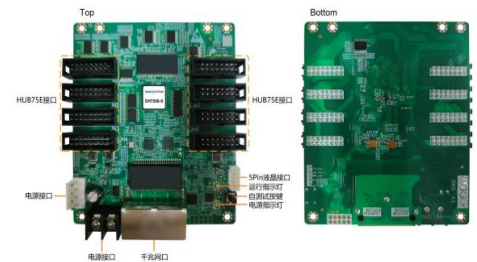
For PWM driver IC, the maximum resolution of a single card is 512×512@60Hz;

for universal driver IC, the maximum resolution of a single card is 512×384@60Hz. Supports brightness correction, mobile phone light and dark line adjustment, fast light and dark line adjustment, 3D, RGB independent Gamma adjustment, 90° multiple rotation of the picture and other functions to improve the picture display effect and user experience.

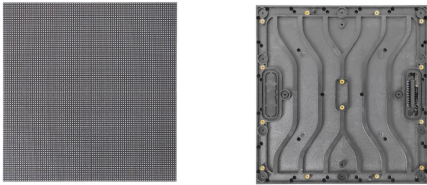
DH7508-S uses 8 standard HUB75E interfaces for communication, has high stability, and supports up to 16 groups of RGB parallel data.

The hardware design complies with EMC standards, improves the electromagnetic compatibility of the product, and is suitable for the construction of various on-site environments.

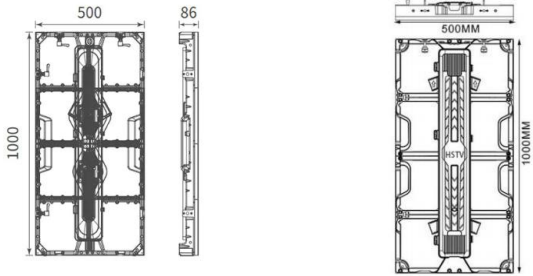
With a controller that supports 3D function, output 3D images. λ RGB independent Gamma adjustment With a controller that supports RGB independent Gamma adjustment and NovaLCT (V5.2.0 and above), by adjusting "red Gamma", "green Gamma" and "blue Gamma" respectively, the display screen low gray unevenness, white balance drift and other problems are effectively controlled, making the picture more realistic. 90° multiple rotations of the picture The picture is rotated in multiples of 90° (0°/90°/180°/270°) for display.



4. Module

|                   |                    |                                                                                    |  |
|-------------------|--------------------|------------------------------------------------------------------------------------|--|
| Part Number       | Customerized P3.91 | Module Picture                                                                     |  |
| Pixel Pitch       | 3.91mm             |  |  |
| LED arrangement   | SMD1921            |                                                                                    |  |
| Physical Density  | 65536pixels/m2     |                                                                                    |  |
| Resolution        | 64(w) x64(h)       |                                                                                    |  |
| Module Size (w*h) | 250mm x 250mm      |                                                                                    |  |

5. Panel

|                   |                    |                                                                                    |  |
|-------------------|--------------------|------------------------------------------------------------------------------------|--|
| Size (w*h)        | 500mmx 1000mm      | Cabinet Picture (aluminum)                                                         |  |
| Resolution        | 128(w) x256(h)     |  |  |
| Quantity(modules) | 2pcs(w) x 4(h)     |                                                                                    |  |
| Panel Weight      | about 12.5kg       |                                                                                    |  |
| Brightness        | around 4500 cds/m² |                                                                                    |  |
| Max. Power        | 210/426w/panel     |                                                                                    |  |
| Ave. Power        | 80/170 w/panel     |                                                                                    |  |
| Material          | Aluminum           |                                                                                    |  |

6. Proposal Screen Specification

|                    |                              |                   |                     |
|--------------------|------------------------------|-------------------|---------------------|
| Screen Size        | 1sqm                         | Driving Method    | 1/16 scan           |
| Panel Quantity     | 2panels                      | View Angle        | 160°/160°           |
| Controlling system | Nova DH7508S                 | Viewing Distance  | 4m - 50m            |
| Control method     | SYNCHRONOUS                  | Refresh frequency | 7680Hz              |
| Drive Chip         | FM6363                       | Gamma Correction  | 10 Levels           |
| Input Voltage      | AC110-220V, 50~60HZ          | Screen Color      | 16.7m               |
| Protective Grade   | IP65                         | Grey Scale        | 14 bits/16384levels |
| Control Distance   | Cat5 120m/Optical fiber 15km | Operating Life    | 100,000 hours       |
| Operating Temp     | -10℃~+45℃                    | MTBF              | 10,000 hours        |
| Operating Humidity | 10-90%RH                     | Defects Rate      | ≤0.02%              |



Connection method



