Product Specification

 Product Name: S2.5 1/16 Scan Outdoor Full Color Module

 Item No. : S2.5-16S-1515(320\*160mm)

 Version: 2.1

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# C:\Users\1903136\Desktop\IMG_20191028_141412.jpgIMG_20191028_141412 Module Pictures





# 2. Technical Specification

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Module | Pixel Pitch | 2.5mm | Pixel Density | 160000Dots/㎡ |
| Configuration | SMD1515 | Resolution | 128\*64=8192Dots |
| Size (Width\*height\*Depth) | 320\*160\*18.5mm | Structure | Led and IC in one PCB |
| Input Voltage(DC) | 4.5±0.1V | Maximum Current | ≤7.37A |
| Power Consumption | ≤33W | Driving method | Constant Current1/16 Scan |
| 40A power supply | 3-4pcs module | 80A power supply | 7-8pcs module |
| 40A PFC power supply | 4-5 pcs module | Module weight | 0.42kg±0.01kg |
| Cabinet  | Cabinet Dimensions(Width\*Height\*Depth) | 960mm\*960mm\*104.5mm(Thickness including module and cabinet)960mm\*960mm\*169.5mm (Thickness including module, cabinet and connector) |
| Pixel Density | 384\*384=147456 Dots |
| Cabinet Square Meters | 0.9216 ㎡ |
| Cabinet Weight | 29.7kg ±0.5 kg |
| Max Power Consumption | ≤597W/cabinet |
| Average Power Consumption(1/3 max) | ≤199w/cabinet |
| Distribution power(78% power efficiency) | ≤765W/cabinet |
| Display Screen | Brightness | ≥6000cd/㎡ | Brightness Uniformity | ＞0.95 |
| Viewing angle-Horizontal | 140±10 degree | Viewing angle-Vertical | 130±10 degree |
| Best Viewing Distance | ≥2.5m | Black spot Ratio  | <0.0003, 0 before delivery. |
| Max Power Consumption | ≤648 W/㎡ | Max Power Distribution | ≤977 W/㎡ |
| Gray Scale | R,G,B color 14-16bits/each | Display Color | 4398 billion |
| Frame Frequency | ≥60 fps | Refresh Frequency | ≥3840 Hz |
| Control Mode | Computer-controlled, point-by-point,correspondingly, online video  | Brightness adjustment | 1. grade

manual /automatic |
| Life Span: | ≥100,000 hrs | Average Failure Free Time | ≥10,000 hrs |
| Attenuation (3 years later) | ≤15％ | Operating Humidity  | 10％---90％RH |
| Input Signal | DVI/VGA, Video (multiple formats) RGBHV, Composite video signal、S-VIDEO, YpbPr (HDTV) |

# 3. Signal Pin

HUB75

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Pin** | **Signal** | **Function** | **Pin** | **Signal** | **Function** |
| 1 | RD1 | Red data signal | 2 | GD1 | Green data signal |
| 3 | BD1 | Blue data signal | 4 | GND | GND |
| 5 | RD2 | Red data signal | 6 | GD2 | Green data signal |
| 7 | BD2 | Blue data signal | 8 | GND | Line power control signal |
| 9 | A | Line power control signal  | 10 | B | Line power control signal |
| 11 | C | Line power control signal  | 12 | D | Line power control signal |
| 13 | CLK | Clock signal | 14 | LAT | Data locking signal |
| 15 | OE | Enable signal | 16 | GND | GND |

