## P1.583 Indoor HD Full Color LED Display Parameters

 

**LED Light**

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| **LED** | **LED Lamp** | **LED Type** | **Wavelength（nm）** | **Average Brightness** | **Test Condition** |
| RED（R） | Nationstar | SMD1010 | 620-625nm | 130-190mcd | 25℃,20mA |
| GREEN（G） | 520-525nm | 200-300mcd | 25℃,10mA |
| BLUE（B） | 470-475nm | 23-40mcd | 25℃,5mA |

**二．Pixels/Modules**

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| --- | --- | --- |
| **No** | **Serial** | **Parameters** |
| 1 | Pixel Pitch | 1.583mm |
| 2 | Pixel Configuration | 1R1G1B R：G：B=3：6：1 |
| 3 | LED Lamp | Full Color |
| 4 | Density | 398908 dot/㎡ |
| 5 | Module Size | 342x152mm |
| 6 | Module Pixel | 216\*96=20736 dot |
| 7 | Module Thickness | 3mm |
| 8 | Module Power | ≤20.8W |
| 9 | Driving Voltage | DC5V |
| 10 | Module Current | 4.2A |

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**三．Screen Parameters**

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| **No** | **Serial** | **Technic Parameters** |
| 1 | Standard Cabinet Size | 608mm\*342mm\*60mm (16:9) |
| 2 | Single Cabinet Weight | 7.35KG |
| 3 | Brightness/Adjustment | ≥500cd/㎡ Level 16- Automatic / Level 100-Manual operation) |
| 4 | View Angle | ≥160°（Horizontal），≥160°（Vertical） |
| 5 | Best View Distance | ≥2m |
| 6 | Grey Level | ≤65536 |
|  | Color Temperature | 8000K |
| 7 | Frame Frequency | ≥60Hz |
| 8 | Refresh Rate | ≥3840Hz |
| 9 | Signal Input/ Control Mode | Video、VGA/Computer Control，Video Synchronization，Real time Display |
| 10 | Driving Mode | 1/108 Scan |
| 11 | Driving IC | Standard Configuration |
| 12 | Module Quantities/ Sqm | 19.24 |
| 13 | Display Colors | 16777216 |
| 14 | Continue Working Time | >24（Hrs） |
| 15 | Screen Lifespan  | >100,000（Hrs） |
| 16 | MTBF | >5000（Hrs） |
| 17 | Max Power Consumption | ≤400W/㎡ |
| 18 | Average Power Consumption | ≤135W/㎡ |
| 19 | Blind Point Rate | ≥3/10,000(Discrete Distribution) |
| 20 | Control Distance | 100mRepeat Less Cable) 500m(Multi-mode Fiber) 10km(Single-mode Fiber) |
| 21 | Surface Flatness | Screen Flatness error≤0.5mm，Pixel Pitch error≤0.3mm |
| 22 | Working Temperature | -10℃～+40℃ |
| 23 | Working Humidity | 10%～80%RH |
| 24 | Storage Temperature | -20℃～+60℃ |
| 25 | Software Interface | Standard Computer Interface，Compatible with Windows、Unix、Novell |
| 26 | Protection System | Overheat, Overload,Power Failure,Image Compensation,Gamma Correction |
| 27 | Working Voltage | 200~240 V |
| 28 | Dielectric Strength | 50HZ/1500V（ac RMS）/1min |
| 29 | Temperature Rise | Metal≤40K，Insulation≤65K after heat balance |
| 30 | IP Grade | IP43 |
| 31 | Computer Display Mode | 1024\*768 |
| 32 | Playing Software | LED Professional Player |