



## ► Specification:

### 1. Module & Cabinet Specifications

| Item                | Specification               |
|---------------------|-----------------------------|
| LED Type            | SMD1415                     |
| Scan Mode           | 21S (21 Scan)               |
| Pixel Pitch         | 2.97 mm                     |
| Pixel Configuration | 1R1G1B                      |
| Pixel Density       | 112,896 dots/m <sup>2</sup> |
| Module Resolution   | 168 (W) × 84 (H)            |
| Module Size         | 500 mm × 250 mm             |
| Cabinet Size        | 500 mm × 1000 mm            |
| Cabinet Resolution  | 168 (W) × 336 (H)           |

### 2. Display Performance Parameters

| Item                                  | Specification                             |
|---------------------------------------|-------------------------------------------|
| Viewing Distance                      | ≥ 6 meters                                |
| Horizontal/Vertical Viewing Angle     | ≥160° / ≥160°                             |
| Color Temperature                     | 1000K – 10000K (Adjustable)               |
| Screen Flatness                       | ≤ 0.1 mm                                  |
| Brightness & Chromaticity Calibration | Supported                                 |
| Brightness Uniformity                 | ≥ 97%                                     |
| White Balance Brightness              | ≥ 4500 cd/m <sup>2</sup>                  |
| Driver Circuit                        | Ghost-canceling & High-gray, High-refresh |
| Contrast Ratio                        | ≥ 5000:1                                  |

|                            |                                       |
|----------------------------|---------------------------------------|
| Refresh Rate               | $\geq 3840$ Hz                        |
| Frame Rate                 | $\geq 60$ Hz                          |
| Grayscale                  | 65,536 levels                         |
| Driving Method             | Constant Current                      |
| Control Mode               | Synchronous                           |
| Control Distance           | Ethernet: 100 m, Fiber Optic: 10 km   |
| Signal Interface           | RJ45                                  |
| Brightness Adjustment      | 0 – 100% stepless                     |
| Continuous Working Time    | $\geq 72$ hours                       |
| Typical Lifespan           | 100,000 hours                         |
| Cabinet Installation Type  | Waterproof standard aluminum cabinet  |
| Installation & Maintenance | Fixed installation, front maintenance |

### 3. Electrical Parameters

|                           |                                      |
|---------------------------|--------------------------------------|
| Item                      | Specification                        |
| Working Voltage           | DC: 4.2V – 5V                        |
| Power Supply Requirement  | AC: 220V $\pm 10\%$ , 50Hz $\pm 5\%$ |
| Max Power Consumption     | $\leq 520$ W/m <sup>2</sup>          |
| Average Power Consumption | $\leq 160$ W/m <sup>2</sup>          |

### 4. Environmental Parameters

|                       |                               |
|-----------------------|-------------------------------|
| Item                  | Specification                 |
| Storage Temperature   | -20°C to +60°C                |
| Operating Temperature | -20°C to +55°C                |
| Operating Humidity    | 10% – 80% RH (Non-condensing) |
| Protection Level      | IP65                          |