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Product Specification

BKY012A1

Rev. 1

BOE MLED Technology Co., Ltd.

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1. Product Features

1.1 Scope of Application

This product specification applies to P1.2 standard panels.

1.2 Product Description

- The product has a unique competitive advantage, the module is hard-wired, and can be quickly installed regardless of the left or right.
- Extremely convenient full front and rear maintenance way, support free steel structure wall mounted before installation, right angle installation, whole box magnetic suction installation and other installation methods.
- The back of the box comes with a hidden connector hole design, simple and beautiful, solving the problem of needing to open a hole when the back of the oversized screen is fed with network and power cables, so that the product can maximize the customer's experience in different application scenarios.

2. Product Image



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3. Main Technical Parameters

| | Item | Technical Parameters |
|-------------------|------------------------------------|---------------------------------|
| Module Parameters | Pixel Pitch(mm) | 1.25 |
| | LED Model | SMD1010 |
| | LED Type | Copper Wire |
| | Module Resolution | 240*135 |
| | Scan Number | 1 / 45 |
| | Module Size (mm × mm × mm) | 300(H) *168.75 (V) *2.96 (D) |
| | Module Weight (kg) | 0.33 |
| | Module Flatness | <0.1 mm |
| | Pixel Density (dots/m2) | 640000 |
| | Module Voltage (V) | DC4.2V |
| Panel Parameters | Composition of the Display Modules | 2*2 |
| | Panel Resolution | 480*270 |
| | Panel Dimension (mm × mm × mm) | 600(H) * 337.5 (V) * 39.6 (D) |
| | Panel Weight (kg) | 3.5 |
| | Maintenance Method | Front/Rear Maintenance |
| | Panel Material | Die-casting Aluminum |
| | Panel Flatness (mm) | ≤0.1 |
| | Grayscale(Bit) | 14Bit |
| | Maximum Power Consumption(W) | 370 |

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| | | |
|------------------------|--|---|
| | Average Power Consumption(W/m ²) | 125 |
| | Panel Voltage (V) | AC100~240V , 50/60Hz |
| Optical Parameters | White Balance Brightness(cd/m2) | 400-450 (±10%) |
| | Color Temperature | 3200K~12000K (Adjustable) |
| | Horizontal Viewing Angle | ≥160° |
| | Vertical Viewing Angle | ≥140° |
| | Brightness Uniformity | ≥95% |
| | View Distance(m) | ≥5 |
| Operating Parameters | Continuous Operation Time | ≥ 7*24hrs (Support uninterrupted display) |
| | Average Trouble-free Working Time | ≥ 10000hrs |
| | Discrete Runaway Point | Preset at0, 1000hrs < 3PPM |
| | Continuous Runaway Point | Preset at0 |
| | Blind Spot Rate | Preset at0, 1000hrs < 3PPM |
| | Screen temperature increase (operating status) | ≤ 50℃ |
| Utilization Parameters | Typical Life Value(hrs) | 100000 |
| | Operating Temperature(℃) | -10~+40 |
| | Storage Temperature(℃) | -20~+60 |
| | Operating Humidity(RH) | 10%~90%PH |
| | Storage Humidity(RH) | 10%~60%PH |

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| | | |
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| Protection Grade | Protection Grade | IP30 |
| Certifications | CCC | |

Note: Power will fluctuate within $\pm 15\%$, based on actual measurement.

4. Plane Structure of the Product

