

# **Specification of Single-screen Display**



Series: Single-screen Display

Product model: 86DS1A

Version: V1.6

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## Special Instructions

- Subject to product configuration and manufacturing process, the actual product dimensions/weight may vary. Please refer to the physical product for accuracy.
- The product diagrams and illustrations in this specification are for reference only. The actual product performance (including but not limited to appearance, color, and dimensions) may have slight differences. Please refer to the physical product for accuracy.
- To ensure information accuracy, we reserve the right to revise text descriptions, images, and other content without prior notice. All adjustments are intended to align with the actual performance and specifications of the product.
- Product performance may be affected by the operating environment, including but not limited to temperature, humidity, altitude, and other factors. It is recommended to use the product under the officially recommended environmental conditions.
- The product is accompanied by a warranty card, which must be presented together with the purchase proof as valid warranty documentation. During the warranty period, free repair services are available (excluding damages caused by force majeure or improper use).

## Product features

- Ultra-narrow bezel design with three-side equal width (15.9mm) .
- Ultra-slim body with an overall thickness as low as 79.8mm.
- Compatible with landscape and portrait mounting modes, supporting  $\pm 30^\circ$  tilt installation to meet various application scenarios.
- IP5X-rated protection, enabling 24/7 continuous stable operation with reliability under diverse environmental conditions.
- Equipped with an automatic color and image enhancement processor, achieving precise image quality optimization and clear, delicate detail rendering.
- Built-in power detection module for real-time and accurate power consumption monitoring.
- Complies with Energy Star certification requirements.
- Supports optional OPS/SDM modules.

# Main Specifications

## 1. Overview

| Display               |                             |
|-----------------------|-----------------------------|
| Size                  | 86"                         |
| Backlight Type        | D-LED                       |
| Resolution(pixels)    | 3840×2160(RGB)              |
| Brightness            | 500cd/m <sup>2</sup>        |
| Contrast Ratio        | 5000:1                      |
| Response Time         | 8ms                         |
| Pixel Pitch           | 0.494mm(H)×0.494mm(V)       |
| Refresh Rate          | 60Hz                        |
| Viewing Angle         | 178°(H) / 178°(V)           |
| Color Gamut           | 72%NTSC                     |
| View Area             | 1895.04mm(H)×1065.96mm(V)   |
| Display Colors        | 1.07B                       |
| Life Time             | 50,000hrs(min.)             |
| System Properties     |                             |
| OS                    | Android 16.0                |
| CPU Architecture      | Cortex A72×4 + Cortex A53×4 |
| CPU Working Frequency | Max 2.2GHz                  |
| Number of CPU Cores   | 8                           |
| GPU                   | Mali-G52 MC3                |
| RAM                   | 4GB                         |
| ROM                   | 64GB                        |

| Power                       |           |                            |
|-----------------------------|-----------|----------------------------|
| Power Requirements          |           | 100 V ~ 240 V/AC, 50/60 Hz |
| Maximum Power (Without OPS) |           | 290W                       |
| Standby Condition           |           | <0.5W                      |
| Power (AC) Input            |           | ×1                         |
| Function                    |           |                            |
| Audio Power                 |           | 10W×2                      |
| Wi-Fi                       |           | Wi-Fi 6                    |
| Bluetooth                   |           | Bluetooth 5.3              |
| Input/Output Interface      |           |                            |
| Mainboard Interface         | HDMI IN   | ×2                         |
|                             | DP IN     | ×1                         |
|                             | LAN       | ×1                         |
|                             | USB 2.0   | ×1                         |
|                             | VGA IN    | ×1                         |
|                             | IR-IN     | ×1                         |
|                             | RS232 IN  | ×1                         |
|                             | RS232 OUT | ×1                         |
|                             | AUDIO IN  | ×1                         |
|                             | AUDIO OUT | ×1                         |
|                             | OPS Slot  | Optional                   |
| Environment                 |           |                            |
| Operating Temperature       |           | 0℃ ~ 40℃                   |
| Storage Temperature         |           | -10℃ ~ 60℃                 |
| Operating Humidity          |           | 20% ~ 80%                  |
| Storage Humidity            |           | 10% ~ 80%                  |
| Operating Altitude          |           | ≤5000m                     |
| The Longest Service Time    |           | 7 days×24 hours            |

| Structure                                 |                                  |
|-------------------------------------------|----------------------------------|
| Net Weight                                | 42.2 kg                          |
| Gross Weight                              | 56.3 kg                          |
| Product Size(W×D×H)                       | 1934mm×80mm×1104mm               |
| Package Size(W×D×H)                       | 2095mm×185mm×1220mm              |
| VESA                                      | 600mm×400mm M8×4                 |
| Housing Material (Front Bezel/Rear Cover) | Aluminum/Sheet Metal             |
| Housing Color (Front Bezel/Rear Cover)    | Black/Black                      |
| Language                                  |                                  |
| OSD Menu                                  | Simplified Chinese/English, etc. |
| Accessories                               |                                  |
| Remote Control                            | ×1                               |
| 3m Power Cable                            | ×3                               |
| 3m HDMI Cable                             | ×1                               |
| Certificate of Compliance                 | ×1                               |
| Warranty Card                             | ×1                               |
| Wall Mount Bracket                        | ×1                               |