

Specification of Single-screen Display



Series: Single-screen Display

Product model: 50DS1A-P

Version: V1.1

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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 with three-side equal width of only 7.9mm.
- Ultra-thin body design, with an overall thickness as low as $\leq 49.9\text{mm}$.
- Supports both landscape and portrait mounting modes, and allows $\pm 30^\circ$ tilt installation to meet various application scenarios.
- IP5X-rated protection and 24/7 continuous stable operation, ensuring reliability under diverse environmental conditions.
- Equipped with an ultra-high-definition anti-glare panel, maintaining clear visibility even in bright environments.
- Complies with Energy Star certification requirements.
- Optional OPS/SDM module support.
- Concealed infrared receiver design.

Main Specifications

1. Overview

Display	
Size	50"
Backlight Type	D-LED
Resolution(pixels)	3840×2160 (UHD) (RGB)
Brightness	700cd/m ²
Contrast Ratio	1200:1
Response Time	8ms
Pixel Pitch	0.28539mm×0.28539mm
Refresh Rate	60Hz
Viewing Angle	178°(H) / 178°(V)
Color Gamut	72%NTSC
View Area	1095.84mm×616.41mm
Display Colors	1.07B
Life Time	50,000h
System Properties	
OS	Android 13.0
CPU Architecture	Cortex A55×4
CPU Working Frequency	Max 1.8GHz
Number of CPU Cores	4
GPU	Mali-G52 MP2
RAM	4GB
ROM	32GB

Power		
Power Requirements		100 V ~ 240 V/AC, 50/60 Hz
Maximum Power (Without OPS)		230W
Standby Condition		<0.5W
Power (AC) Input		×1
Function		
Audio Power		10W×2
Wi-Fi		Wi-Fi 6
Input/Output Interface		
Mainboard Interface	HDMI IN	×2
	DP IN	×1
	USB 3.0	×1
	USB 2.0	×1
	OPS Slot	×1
	SPDIF	×1
	LAN	×1
	RS232 IN	×1
	RS232 OUT	×1
	AUDIO OUT	×1
Environment		
Operating Temperature		0°C ~ 40°C
Storage Temperature		-10°C ~ 60°C
Operating Humidity		20% ~ 80%
Storage Humidity		10% ~ 80%
Operating Altitude		≤5000m
The Longest Service Time		24 hours×7 days
Structure		
Product Size(W×D×H)		1117mm×50mm×637mm

Package Size(W×D×H)	1240mm×140mm×755mm
VESA	400mm×400mm M6×4
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	×1
3m HDMI Cable	×1
Certificate of Compliance	×1
Warranty Card	×1
Wall Mount Bracket	×1