

Product Specifications

Product Name: 50inch Wall Mount Digital Signage

Product Model: SV-DS50W(Non touch)

I. Document Revision History

Item	Revision Date	Summary of Revision Details	edition	expurgator
1	20260709	NEW	A1	Liu
2	20260807	Change Configuration	A1	Li

II. Product Overview

This product series consists of wall-mounted network-based digital signage units. The entire unit is constructed from cold-rolled steel sheet with powder coating, featuring edge profiles made of aluminum alloy and a panel made of 3 mm thick specialized tempered explosion-proof glass, delivering high-definition visual performance. These units are widely applicable in various settings such as building lobbies, elevators, hospitals, stations, hotels, subways, shopping malls, and government buildings; they are primarily used for multimedia information display, image advertising, text presentation, and audio/video media playback, making them a premium digital signage solution.

III. Product Images



IV. Software Functions

4.1 Local Operation Functions

Functional Items	Function declaration
Network settings	Supports both wired and wireless network connections
Time Slot Settings	Supports setting time slots for advertising machine startup and shutdown, as well as controlling the advertising machine's volume.
Language Switch	Supports switching between Simplified Chinese and English
Screen Rotation	Supports screen rotation between 0°, 90°, 180°, and 270° orientations
System upgrade	Supports local upgrades
Server Settings	Supports manual IP entry to connect to the corresponding server
USB update	Supports updating programs via USB insertion; programs must be saved in the root directory of the USB flash drive.
Mouse action	Supports mouse operations on the page
Automatic page redirection	When on the main page, if no action is taken for 10 seconds, the screen will automatically redirect to the program playback page; When on a subpage, if no action is taken within 60 seconds, the screen will automatically redirect to the main page.

4.2 Backend Publishing System Functions

Functional module	Function declaration
Program Management	Supports program list configuration; allows users to delete, preview, publish, and edit programs, as well as perform one-click retransmission. Supports setting program playback schedules Supports setting up a message list, allowing users to delete, preview, and edit messages.
Terminal Management	Supports terminal monitoring and configuration for selected terminals. View surveillance footage, review historical screenshots, and access recorded programs stored on the terminal Perform formatting operations on the terminal and perform remote operations on the terminal.
News Production	Supports synchronous configuration of message content, message playback duration, and message playback time.
Program Production	Supports synchronous configuration of program name, program content, program duration, playback type, and playback time.

V. Product Specifications

5.1 Processor and Memory

Parameter	Specifications
CPU	RK3576: Quad-core Cortex-A53 + Quad-core Cortex-A72, with a maximum clock speed of 2.2 GHz
Internal storage	8GB
Built-in storage capacity	EMMC 128GB
Network Support	Supports RJ45 Gigabit Ethernet; supports dual-band Wi-Fi 6 + Bluetooth 5.4
External ports	USB 2.0 ×2; USB 3.0 ×1; RJ45 network port ×1; HDMI-OUT ×1; headphone jack ×1
Operating system	Android 14.0

5.2 Media Format Support

Media Type	Supported Formats
Picture format	Various image formats such as JPG, BMP, PNG, etc.

Video Format 8K@30fps or 4K120fps H.265/H.264/AV1/VP9/AVS2; 4K@60fps H.264/H.265

Audio Format MP3, WMA, WAV, APE, FLAC, AAC, OGG, M4A,3GPP, etc.

5.3 System Characteristics

Characteristic	Explain
System Openness	Native Android system with open root access, enabling custom product development.
Operating Stability	Real-time remote monitoring, automatic self-recovery upon system crash, 24/7 unattended operation
Software development	Provides API integration documentation

5.4 Display Screen Parameters

Parameter	Specifications
Size	50 inch
Resolution ratio	3840 × 2160
Display color	10bit, 1.07B
Panel Brightness	450 cd/m ² (Typ.)
Contrast ratio	1200:1 (Typ.) (Transmission)
Backlight lamp lifespan	50,000 hours
Refresh rate	60 Hz
Viewing Angle	89°/89°/89°/89° (Typ.) (CR≥10)

5.5 Audio and Power Supply

Parameter Item	Specifications
Speaker	Left and right channel output (2 × 5W speakers)
Power	≤ 75W
Supply electricity	100-240V ~ 50/60Hz

5.6 Environmental Parameters

Parameter	Specifications
Working temperature	0°C ~ 60°C

5.7 Dimensions and Installation

Parameter	Specifications
Overall dimensions	1101.5*632*75.4mm
Packing measurement	1238*168*800mm
Way to install	Wall-mounted (Standard option)

VI. Product Dimension Drawing

