

55-inch Outdoor High-Brightness Digital Signage Specifications

Model: Y55LDS/OD-F01

Version: V1.0

Document Number	Prepared by	Reviewed by	Approved by	Effective Date

Version	Description	Date	Fiction
V1.0	First Released	November 4, 2025	Chen Qingjie



Product features

- **Four Equal-Side Pure Aluminum Design: Private Mold Appearance:** Adopting a full-machine pure aluminum solution with high thermal conductivity and heat dissipation, it is elegant and generous. The immersive narrow bezel design seamlessly integrates the screen with the environment—where design embodies beauty in form and harmony with the scene.
- **Full Fanless Cooling Solution:** The entire unit is completely fanless, enabling 100% silent operation. Adopting an exclusive cooling design, it supports 24/7 continuous operation in full outdoor environments and various complex conditions.
- **Ultra-Slim Overall Machine Structure:** Adopting an exclusive backplane mold design and all-metal casing material, this ultra-slim structure saves installation space, making it ideal for various complex and high-end scenarios that demand ultimate spatial efficiency and stylish design in products.
- **High-Definition Visual Experience:** Boasting high color gamut and high-definition image clarity, it adopts grade-A original screens. Delivering pure colors and rich, vivid visuals with wide RGB color gamut coverage, it ensures smooth playback, making images and videos more stunning and lifelike.
- **Diversified Advertising Display:** According to usage requirements, it allows independent setting of scrolling graphics, text, or videos, as well as information, advertising dates, and weather. It supports loop playback, carousel, and other playback modes.
- **Scheduled Playback:** Supports scheduled publishing, saving time and effort. It easily enables unattended advertising marketing and allows playback of various customized content according to preset schedules.
- **Remote Control:** Supports remote management and one-click publishing. It enables real-time monitoring and operations via dedicated information publishing software, allowing users to publish and update all playback content remotely.
- **Horizontal & Vertical Display:** Supports horizontal and vertical screen installation, meeting the needs of various usage scenarios. Images and videos can be displayed in both orientations, fulfilling the requirements of different advertising scenarios.

- Smart Split-Screen: Supports free selection of split-screen modes, comes with multiple built-in split-screen modes, and allows custom regional split-screen, enabling multi-regional and multi-functional advertising display.

Product Specifications

Display Specifications

Item		Parameter	Note
Display Specifications	LCD Screen Size	55inch	
	Active Display Area Size	1209.6(H)×680.4(V) mm	
	Resolution	3840×2160	
	Response Time	8 ms	
	Viewing Angle	89/89/89/89	
	Aspect Ratio	16:9	
	Refresh Rate	60Hz	
	Color Depth	1.07G	
	Color Gamut(sRGB) (Typ)	100%	
	Contrast Ratio (Typ)	1200:1	
	Backlight Type	DLED (Starry Sky Solution)	
	Screen Brightness (Typ)	2500cd/m ² (Supports Light Sensing Adjustment)	
	Service Life	≥30000 H	
	Waterproof Rating	IP65	

Android System Configuration

Item		Parameter	Note
Android System Configuration	OS	Android 11.0	
	CPU	Quad-Core Cortex-A55 (RK3568J Industrial Grade)	
	Main Frequency	2.0Ghz	
	GPU	Mali-G52	
	RAM	4G	

	ROM	32GB	
	Network	Dual-Band WIFI 2.4G/5G BT-5.2	

Peripheral Port

Item		Parameter	Note
Peripheral Port	HDMI In	1* HDMI Standard Port (4K30Hz)	
	USB	1* USB2.0	
	RJ45	1* RJ45 10/100/1000 Mbps Ethernet Port	
	Audio Channel	Stereo	
	Power	2x5W	

Physical

Item		Parameter	Note
Physical	Power Input	100-240V~50/60Hz	
	Maximum Power Consumption	≤350W	
	Standby Power Consumption	≤0.5W	
	Housing Material	Full Aluminum Material (Surface AR Tempered Glass)	
	Housing Color	Black/White Optional	
	Overall Dimensions (LxDxH)	1257*118.85*727.6 mm	
	Packaging Dimensions (LxDxH)	1390*200*850 mm	
	VESA Mounting Hole Specifications (LxW)	400*500mm	
	Net Weight	52kg	
	Gross Weight	58kg	
	Packaging Accessories	1*Remote Control 1*User Manual 1*Certificate of Conformity 1*Power Cable 1*Wall Mount Bracket	

Environmental Conditions

- ◆ Operating Temperature: $-10^{\circ}\text{C}\sim 50^{\circ}\text{C}$
- ◆ Operating Humidity: 20%~80%RH
- ◆ Storage Temperature: $-20^{\circ}\text{C}\sim -60^{\circ}\text{C}$
- ◆ Storage Humidity: 10%~90%RH
- ◆ Altitude: Below 2000 meters

Structural dimension drawing

