

EC-Y88 LED Display Screen User Manual

Model: EC-Y88

Native Resolution: 3840 × 1080

Application Scenarios: Indoor commercial display, information bulletin, advertising playback, production line visualization, supermarket long-screen presentation, etc.

Document Version: V1.0

Effective Date: July 2026

Table of Contents

Product Overview

Overall Unit Specifications

Core Display Panel Parameters

System Hardware Specifications

Safe Installation Standards

Basic Unit Operations

System Function Operation Guide

Daily Maintenance & Care Standards

Common Faults and Troubleshooting Solutions

Product Warranty Provisions

General Safety Warnings

1 Product Overview

This product is an 88-inch ultra-wide commercial LED display screen with a native resolution of 3840 × 1080, adopting a high-definition display solution tailored for long-strip scene presentation. Equipped with an intelligent Android system, the unit supports local material playback, remote network content release, custom split-screen layouts, scheduled power on/off and other commercial functions.

Exclusively designed for indoor environments, it delivers crisp images, stable operation, long standby life and low power consumption. It meets all-day display requirements including corporate bulletins, supermarket advertising, campus information publishing and production data visualization, enabling stable continuous long-hour operation.

2 Overall Unit Specifications

This chapter elaborates on the electrical, environmental and structural baseline parameters of the unit, serving as official standards for installation, operation and maintenance.

Parameter Category	Item	Technical Specification
Electrical Parameters	Rated Input Voltage	AC 100V - 240V 50/60Hz
	Maximum Overall Power Consumption	<180W
	Standby Power Consumption	<1W
	Power Supply Requirement	Independent grounded power outlet; high-power devices shall not be connected in parallel
Environmental	Operating Temperature	0℃～50℃

Parameter Category	Item	Technical Specification
Parameters		
	Operating Humidity	10%~90% (No condensation)
	Operating Environment	Dry indoor environments only
Structural Parameters	Overall Weight	To be confirmed
	Mounting Method	Standard wall mounting; custom mounting frames available on request.
After-sales Parameters	Warranty Term	1-year free warranty for the entire unit

2.1 Environmental Usage Restrictions

This unit is for indoor use only. Never expose it to outdoor direct sunlight, rain or water immersion. Do not install it in bathrooms, cold storage rooms, misty areas or heavily dusty harsh environments.

Condensation around the running unit must be avoided. Sufficient ventilation clearance shall be reserved in locations with drastic temperature swings to prevent internal hardware corrosion caused by moisture buildup.

Operating the unit outside the specified temperature and humidity range accelerates backlight and mainboard aging, shortens service life and may trigger malfunctions.

3 Core Display Panel Parameters

Item	Technical Specification	Remarks
Screen Size	88 inches	Ultra-wide long-strip display panel
Native Resolution	3840(H) × 1080(V)	High-definition ultra-wide aspect ratio

Item	Technical Specification	Remarks
Screen Brightness	350cd/m²	Custom high-brightness version available
Contrast Ratio	1200:1	Rich image layers and vivid color reproduction
Viewing Angle	89° horizontal & vertical full viewing angle	No color shift or dark corners from all viewing positions
Display Colors	16.7M	Authentic and saturated color rendering
Active Display Area	2159mm × 600mm	Extra-wide visible screen
Theoretical Service Life	50,000 hours	Supports long-term continuous operation

4 System Hardware Specifications

Hardware Module	Configuration Parameter	Function Description
Main Control Processor	T982	Smooth operation for long-hour commercial unattended use
Operating System	Android 11	Stable system with wide compatibility
RAM	4GB	Ensures lag-free multi-task operation
Onboard Storage	32GB	Locally stores massive playback materials
Video Decoding	Full-format hardware accelerated decoding	Supports 4K and 1080P high-definition video playback
Network Modes	Wired Ethernet, Wi-Fi	Supports local and remote material distribution
Continuous Operation Duration	16 hours non-stop operation	Suitable for unattended commercial scenarios

5 Safe Installation Standards

5.1 Wall Load-Bearing Requirements

The mounting wall must be a solid brick wall or concrete load-bearing wall. For lightweight partition walls, gypsum board walls or hollow walls, custom reinforced steel frames must be installed prior to wall mounting. Direct wall mounting is strictly prohibited to avoid unit falling and safety hazards.

5.2 Standard Installation Procedures

Select an industrial wall mount bracket with a load capacity of $\geq 80\text{KG}$, align and fasten the bracket to the rear mounting holes of the unit. Calibrate the bracket level with a spirit level and secure it with extended expansion bolts to eliminate wobble and looseness.

Two or more professional operators shall lift the unit collaboratively, hang it steadily onto the bracket and lock the rear safety latches. Connect to a standard 220V grounded power supply. Inspect power cables for extrusion, damage or excessive bending to guarantee power supply safety.

5.3 Installation Prohibitions

A ventilation clearance of $\geq 10\text{cm}$ must be reserved at the rear of the unit.

Do not cover or block cooling vents.

Do not share power strips with high-power electrical appliances to prevent unit restart or damage caused by voltage fluctuations.

6 Basic Unit Operations

6.1 Power On and Power Off Operations

Power On: Connect to 100V - 240V mains power, toggle the physical power switch on the unit side to ON. The unit will boot automatically with a startup duration of 8 - 10 seconds.

Standby Sleep: Enable standby mode in the system. The screen turns off while background programs keep running with ultra-low standby power consumption.

Power Off: Execute the power-off command in the system. Toggle off the physical power switch after the screen fully turns off. Disconnect the power cord if the unit will remain idle for a long period.

6.2 Image Parameter Adjustment

Navigate to Settings - Display Settings to adjust screen brightness, contrast, color temperature, sleep duration and scheduled power on/off as required. Factory preset parameters are optimized for regular indoor environments. Long-term operation at maximum brightness is not recommended to avoid shortened backlight service life.

7 System Function Operation Guide

7.1 Material Playback Functions

Local Playback: Store images and videos in onboard storage or a USB flash drive. Set cyclic rotation playback via the media player, supporting mixed playback of mainstream formats including JPEG, PNG, GIF and MP4.

Split-Screen Playback: The system supports custom multi-region split-screen layouts, enabling simultaneous display of videos, static posters, scrolling subtitles, time and weather information to meet diverse presentation demands.

7.2 Network Connection Settings

Wired Network: Insert an Ethernet cable. The system obtains an IP address automatically, or users may manually configure a static IP for stable low-latency network access.

Wi-Fi Network: Enter wireless network settings, search for the target Wi-Fi SSID and input the password to connect, supporting local area network material distribution.

4G Network (Optional): Install an original 4G module and insert a data SIM card to enable off-site remote background material publishing without LAN restrictions.

7.3 Unattended Scheduling Settings

The unit supports custom daily scheduled power on and power off to realize fully automatic all-day operation without manual intervention, ideal for routine commercial display scenarios.

8 Daily Maintenance & Care Standards

Screen Cleaning: Cut off power and wait for the unit to cool for 30 minutes before wiping with a microfiber lint-free soft cloth. For stubborn stains, spray dedicated screen cleaner onto the cloth prior to wiping. Do not spray water, alcohol, disinfectant or other corrosive liquids directly onto the screen.

Heat Dissipation Maintenance: Clean dust buildup on rear cooling vents monthly to prevent blocked air ducts, which may lead to black screens, automatic restarts and hardware aging caused by overheating.

Storage Maintenance: Regularly delete redundant materials and cache files in onboard storage, maintaining at least 5GB free space to ensure smooth system operation and avoid playback stuttering.

Long-Term Idling Maintenance: If the unit remains unused for more than 7 days, disconnect the power supply, cover the screen with a dust cover and store it in a dry, ventilated environment free of condensation.

9 Common Faults and Troubleshooting Solutions

Fault Phenomenon	Inspection & Resolution Methods
No display after power-on; indicator light off	1. Check mains power outlet supply; 2. Confirm the physical power switch is switched ON; 3. Replace the power cord for retesting.
Black screen with	1. Wake the standby screen via remote control; 2.

Fault Phenomenon	Inspection & Resolution Methods
steady indicator light	Check scheduled power-off settings in the system; 3. Restart the unit to resolve program freezes.
Choppy video playback with frame drops	1. Clear redundant onboard materials and cache; 2. Replace video files with standard bitrate; 3. Restart the unit to release RAM.
Failed network connection	Wired: Inspect Ethernet cable and router; Wi-Fi: Verify password and shorten the distance between the unit and router; 4G: Check module and data SIM card status.
Partial screen dimming & uneven color cast	Clean dust on cooling vents to improve heat dissipation; lower screen brightness to avoid prolonged high-load operation.
Repeated automatic restarts	Switch to an independent grounded power outlet to resolve voltage instability; cut off power, cool down the unit and remove internal dust.

Emergency Fault Handling: If the screen cracks, leaks liquid, emits abnormal noise, smoke or burning odor, cut off all power immediately. Do not power on the unit again and contact professional after-sales technicians for maintenance.

10 Product Warranty Provisions

10.1 Warranty Term

The entire unit enjoys a 1-year free warranty service, starting from the official unit delivery receipt date.

10.2 Warranty Coverage

Under proper indoor usage, standard installation and regular maintenance, free repair and spare part replacement are available for non-human-induced hardware failures including LCD panels, mainboards, power supplies and drive boards.

10.3 Warranty Exclusions (Repair at Customer' s Expense)

Screen cracking, shell damage and hardware failure caused by human

collision, dropping or falling due to improper installation.

Unit malfunctions resulting from unauthorized outdoor use, water ingress, moisture condensation or corrosion.

Damage caused by disassembly, circuit modification or installation of non-original spare parts by unqualified personnel.

Hardware aging and failures from operation outside the rated temperature and humidity range.

Unit damage incurred during transportation, handling or improper storage.

10.4 After-Sales Service Application Process

When faults occur, provide the unit model, serial number, fault photos and videos to contact official after-sales customer service for repair arrangements.

11 General Safety Warnings

This unit is designed for indoor use only. Do not expose it to rain, direct sunlight or water immersion outdoors, and avoid operation in high-risk harsh environments.

High-voltage circuits are integrated inside the unit. Disassembly of the rear cover by non-professional maintenance personnel is prohibited to prevent electric shock and unit damage.

Keep children away from power interfaces and metal edges of the unit to avoid electric shock and collision injuries.

When the unit reaches end-of-life, deliver it to formal electronic waste recycling institutions for disposal. Random discarding or unauthorized disassembly is forbidden.

Do not block cooling vents during operation. Long-term high-temperature operation drastically shortens the unit's service life.

FCC Warning

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

-Reorient or relocate the receiving antenna.

- Increase the separation between the equipment and receiver.

- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

- Consult the dealer or an experienced radio/TV technician for help.

Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.