



LED All-in-One Display

User Manual

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Applicable Models

This manual is applicable to the Hikvision LED All-in-One Display.

Symbol Conventions

The symbols that may be found in this document are defined as follows.

Symbol	Description
 Note	Provides additional information to emphasize or supplement important points of the main text.
 Caution	Indicates a potentially hazardous situation, which if not avoided, could result in equipment damage, data loss, performance degradation, or unexpected results.
 Danger	Indicates a hazard with a high level of risk, which if not avoided, will result in death or serious injury.

Safety Instructions

Caution

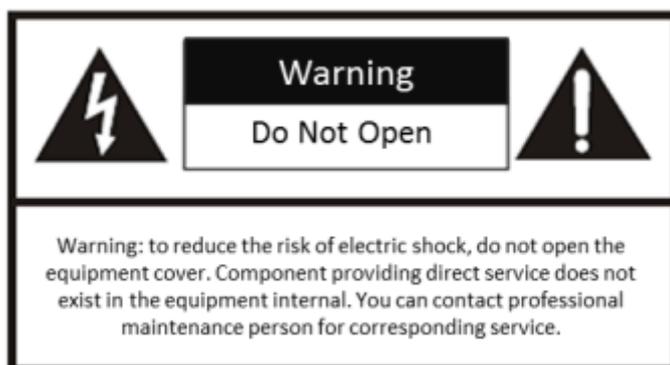
- The device shall not be exposed to water dripping or splashing, and no objects filled with liquids, such as vases, shall be placed on the device.
- Provide a surge suppressor at the inlet opening of the device under special conditions such as the mountain top, iron tower, and forest.
- Ensure correct voltage and wiring of the terminals for connection to mains supply.



- - 1) Do not ingest battery. Chemical Burn Hazard!
 - 2) This product contains a coin/button cell battery. If the coin/button cell battery is swallowed, it can cause severe internal burns in just 2 hours and can lead to death.
 - 3) Keep new and used batteries away from children.
 - 4) If the battery compartment does not close securely, stop using the product and keep it away from children.
 - 5) If you think batteries might have been swallowed or placed inside any part of the body, seek immediate medical attention.

- 6) CAUTION: Risk of explosion if the battery is replaced by an incorrect type.
 - 7) Improper replacement of the battery with an incorrect type may defeat a safeguard (for example, in the case of some lithium battery types).
 - 8) Do not dispose of the battery into fire or a hot oven, or mechanically crush or cut the battery, which may result in an explosion.
 - 9) Do not leave the battery in an extremely high temperature surrounding environment, which may result in an explosion or the leakage of flammable liquid or gas.
 - 10) Do not subject the battery to extremely low air pressure, which may result in an explosion or the leakage of flammable liquid or gas.
 - 11) Dispose of used batteries according to the instructions.
- + identifies the positive terminals of the device which is used with, or generates direct current, and - identifies the negative terminal(s) of the device which is used with, or generates direct current.
 - No naked flame sources, such as lighted candles, should be placed on the device.
 - This device is suitable for mounting on concrete or other non-combustible surface only to avoid fire hazard.
 - Install the device according to the instructions in Quick Start Guide.
 - To prevent injury, this device must be securely attached to the installation surface in accordance with the installation instructions.
 - CAUTION: This bracket is intended for use only with LED display unit. Use with other equipment may result in instability causing injury.
 - The interface varies with the models. Please refer to the product datasheet for details.
 - If the device needs to be wired by yourself, select the corresponding wire to supply power according to the electric parameters labeled on the device. Strip off wire with a standard wire stripper at corresponding position. To avoid serious consequences, the length of stripped wire shall be appropriate, and conductors shall not be exposed.
 - The device external wiring connected to the hazardous live terminals requires installation by an instructed person.
 - Make sure that the power has been disconnected before you wire, install, or disassemble the device.
 - If smoke, odor, or noise arises from the power supply or device, immediately turn off the power, unplug the power cable, and contact the service center.
 - To reduce the risk of fire or electric shock, please do not expose the device to rain or humid environment.
 - The device may generate radio interference in indoor environment. Necessary precautions may be required.
 - Electric discharge may last for a short period of time after the power is shut down. Please wait two minutes after the power is shut down before operating the device.
 - To avoid the risk of electric shock, please do not operate when the power is on.
 - Please do not plug and unplug the power cable when the power is on.

- The device is only suitable for installation on the concrete or non-flammable surfaces, to prevent molten material from dripping to the bottom during fire caused by internal failure.
- Keep 90 degrees when moving and using the device.
- The power supply or device must be connected to an earthed mains socket-outlet.
- High voltage for the power supply. Do not disassemble it.
- Do not place anything containing liquid on the device to avoid the risk of fire or electric shock caused by liquid-splashing.
- Install the device no more than 5 mm away from the wall or other metal racks in case of lamp board drop resulting in electric shock.
- After installation, there should be no openings around the LED module. The bottom bracket under the wire outlet position should completely cover the bottom hole only to let the wire out, to prevent the molten material from dripping to the bottom during fire caused by internal failure.
- To ensure safety, the installation parts and the wall should support four times the weight of the device.



Warning

- In the use of the product, you must be in strict compliance with the electrical safety regulations of the nation and region.
- The device must be connected to an earthed mains socket-outlet.
- Do not touch the bare components (such as the metal contacts of the inlets) and wait for at least 5 minutes, since electricity may still exist after the device is powered off.
- An all-pole mains switch shall be incorporated in the electrical installation of the building.
- Never place the device in an unstable location. The device may fall, causing serious personal injury or death.
- The additional force shall be equal to three times the weight of the device but not less than 50 N. The device and its associated mounting means shall remain secure during the installation. After the installation, the device, including any associated mounting plate, shall not be damaged.
- The equipment has been designed, when required, modified for connection to an IT power distribution system.

- NEVER place items that might tempt children to climb, such as toys and remote controls, on the top of the equipment.
- A readily accessible disconnect device shall be incorporated external to the equipment, rated 220/230/240 VAC, 6A for each device. A single device is recommended for AC 220 V/ 230 V/ 240 V, 6 A circuit breakers. When multiple devices are superimposed, a suitable circuit breaker should be selected according to the total rated current, but it must not exceed the building equipped circuit specifications.
- CAUTION: This device is for use only with LED bracket. Use with other (carts, stands, or carriers) may result in instability causing injury.
- The protective grounding of the device should be reliably connected to the building protective grounding.
- To reduce the risk of electric shock, install protective shield on the exposed connector after installing LED screen.
- Disconnect the power plug before installing the protective shield.
- Disconnect the power plug before maintenance.
- Make sure the power supply is well-grounded.
- The external wire connection between device and hazardous electronic terminals should be operated by professionals.
- To prevent injury, the device must be securely fixed to the ground, wall, ceiling, or steel frame. The all-in-one rack should be fixed to the ground with expansion screws.
- The supporting rack can only be used with the device. Using it with other devices may cause instability and injury.
- The device can only be used with the supporting rack. Using it with other equipment (such as a cart, shelf, or handling device) may cause instability and injury.
- This is a class A product and may cause radio interference in which case the user may be required to take adequate measures.

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Chapter 1 Introduction

1.1 Product Introduction

The Hikvision fine-pitch All-in-One LED display (hereinafter referred to as the device) is an integrated solution that combines a projector, electronic whiteboard, audio system, high-definition television, and digital signage into a single unit. This versatile system supports writing and annotation, multi-screen interaction, and offers optional remote video conferencing capabilities. It incorporates advanced technologies including ultra-high-definition visual presentation, human-machine interaction, multimedia information processing, and network transmission. The LED integrated machine is ideally suited for a wide range of applications, such as offices, conference rooms, multimedia classrooms, exhibition halls, display areas, medical consultation rooms, and educational activity centers.

1.2 Features

- High integration and compatibility with lightweight design for thinner and lighter body.
- System Board Installation: Placed below the system board for true front maintenance and fast and convenient installation.
- Light Luxurious Soft Furniture Cover of Profile Bottom: Industrial aesthetics and high-end taste, suitable for all kinds of conferencing scenes.
- Equipped with 2 × 18W professional speaker and OPS support for Android/Windows dual system switching, highly integrated and intelligent all-in-one design.
- Powered by WonderOS 3.0 system, it is specifically designed for device interaction and provides smooth operation.
- Wireless multi-terminal projection for more collaboration possibilities.
- High-precision die-casting structure design with support for front removal of light board, power supply, and receiving card.

Chapter 2 Startup and Shutdown

2.1 Startup

- Method 1

Connect to power supply, and press the power button on the front panel of the device to turn it on.

- Method 2

Connect to power supply, and press the power button on the remote control to turn on the device.

2.2 Power Saving and Wake Up

Enable Energy Saving

- Method 1

Press the power button on the front panel of the device, and the device will enter sleep mode immediately.

- Method 2

Go to **Settings**→**Display**, and enable **No operation after 5 min**. You can configure the time.

 **Note**

If **Wake from Signal Source** and **Wake from Serial Port** are both disabled in **Settings**→**Advanced Settings**→**Wakeup Settings**, the device will enter ultra-low power sleep mode.

Wake Up Device

- Method 1

Press the power button on the front panel of the device.

- Method 2

Press the power button on the remote control.

- Method 3

Wake up via signal source or serial port (Please go to **Settings**→**Advanced Settings**→**Wakeup Settings** to enable **Wake from Signal Source** and **Wake from Serial Port**).

2.3 Shutdown

Shut Down via Windows Start Menu

When the device is installed with OPS and powered on, go to **Start**→**Shut down** in Windows system desktop.

Shut Down via Remote Control

Press the power button on the remote control.

2.4 Power Status Indicator

Table 2-1 Power Status Indicator Description

Indicator Status	Description
Solid Blue	The device is running normally.
Blue Flashing	The device screen is off.
Light Off	The device is in deep sleep (signal wake-up and serial port wake-up are turned off) or shutdown.
Solid Red	The device is in sleep (signal wake-up and serial port wake-up are enabled).

Chapter 3 Main Page

After the device is started, you can view all applications in the main page.

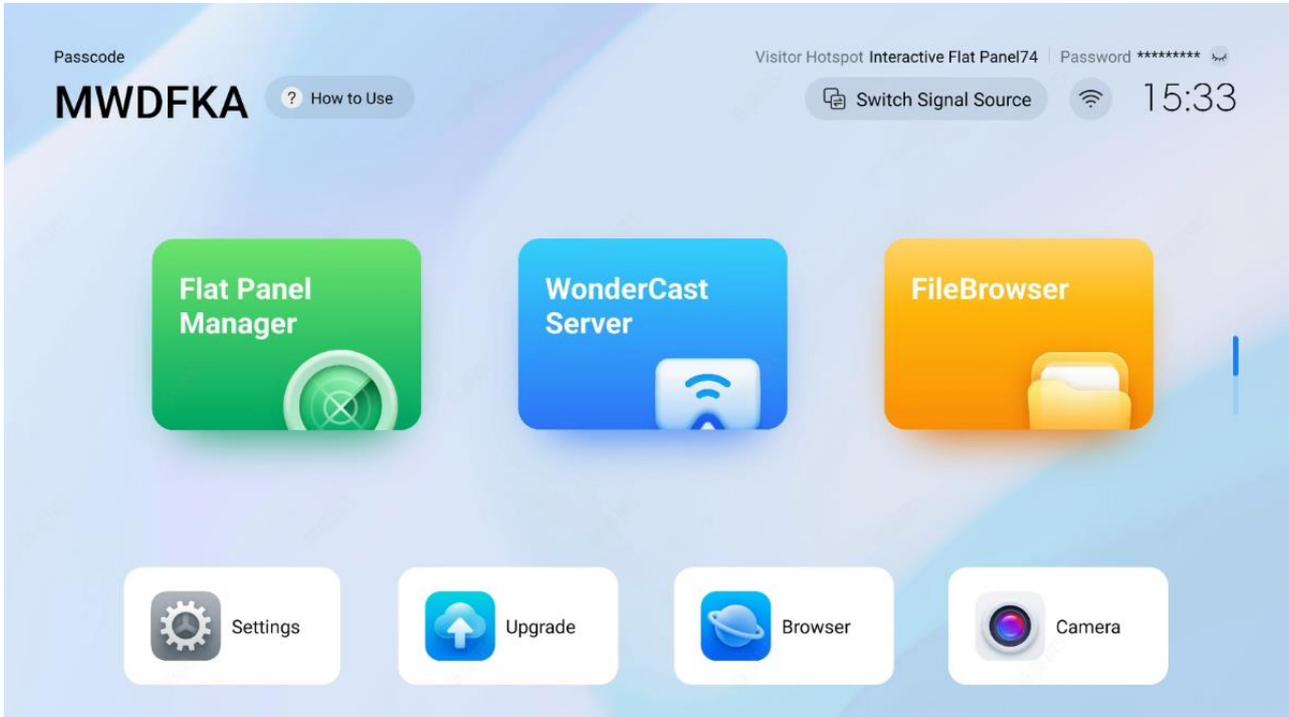


Figure 3-1 Main Page

Note

The main page may vary depending on the version. Please refer to the actual display for details.

Switch Signal Source

Click  to switch signal source.



Figure 3-2 Switch Signal Source

Network Configuration

Click  to enter the network settings page and configure device network.

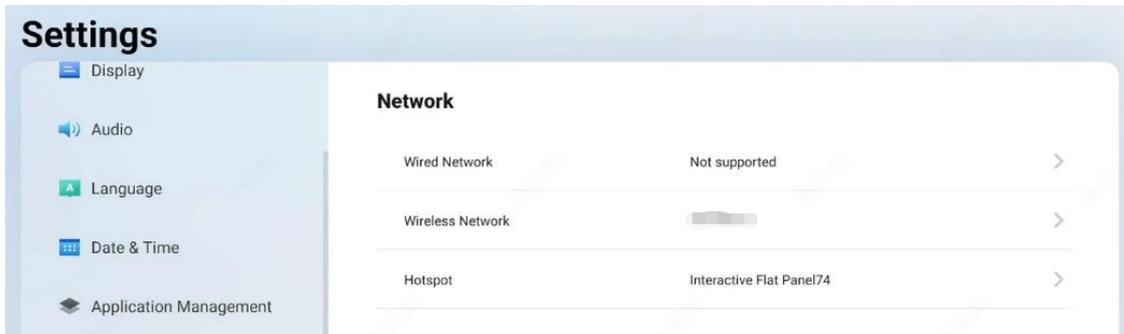


Figure 3-3 Network Settings

Enable Hotspot

You can quick enable the device hotspot. Click  to view the hotspot password.



Figure 3-4 Enable Device Hotspot

Chapter 4 System Applications

4.1 WonderCastServer

Mirror your PC or mobile phone screen to the device wirelessly. For detailed instructions, please refer to the help manual in the application.

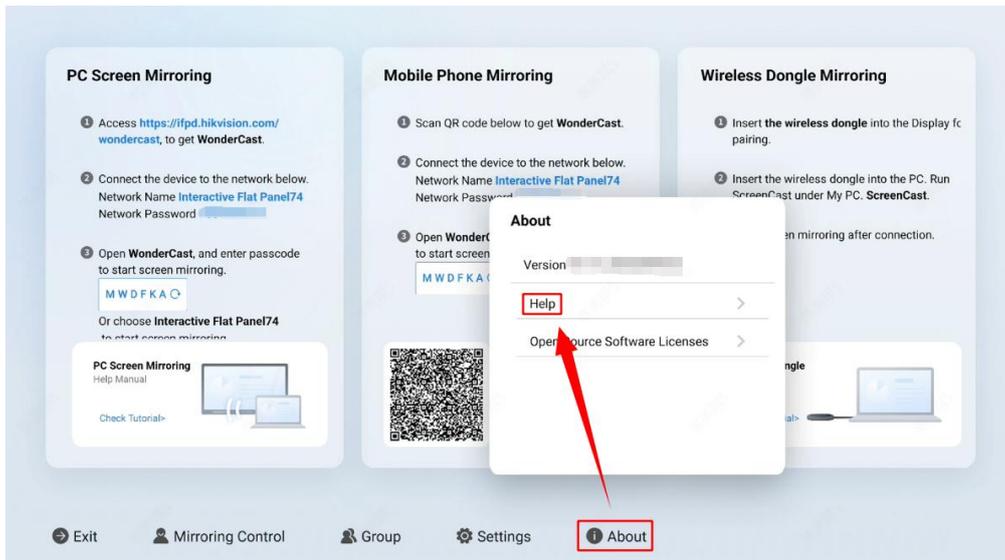


Figure 4-1 View Wireless Mirroring Help

4.2 FileBrowser

Manage images, videos, audios, and documents in the internal storage of the device or an external USB flash drive.

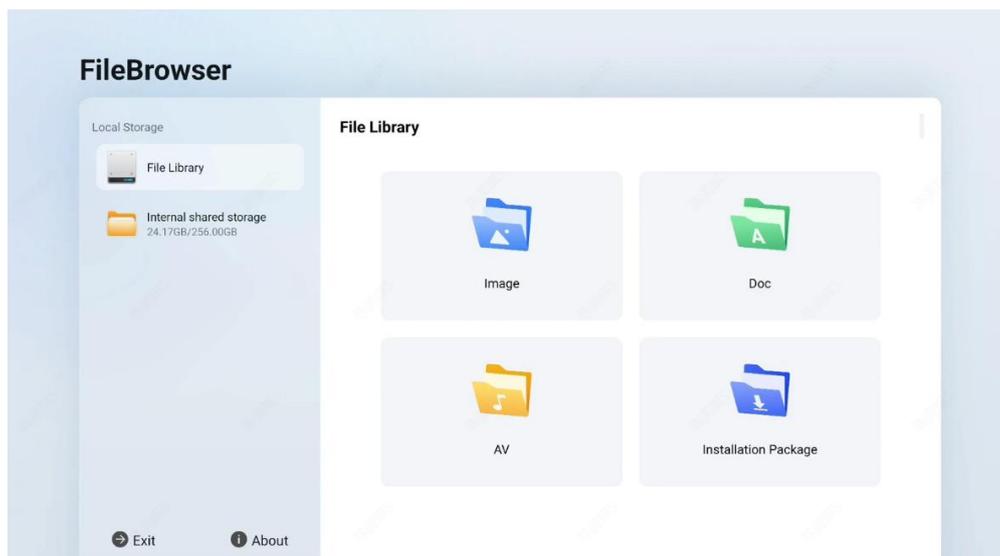


Figure 4-2 FileBrowser

 **Note**

After you connect a mouse to the device, right-click to return to the previous page.

4.3 Other Pre-Installed Applications

Table 4-1 System Pre-Installed Application Description

Name	Description
Upgrade	Remote or local upgrade system, and upgrade local components.
Flat Panel Manager	Detect devices, optimize memory, and clear trash.
Browser	After you connect to the Internet, you can browse text, images, videos, and other information online. After you connect a mouse to the device, right-click to exit the browser.
Camera	Take pictures and record videos via USB camera.
Gallery	Manage pictures in the built-in or external storage (such as a USB flash drive).

 **Note**

The applications may vary for different devices. Refer to the display on your device.

Chapter 5 System Settings

Customize device system settings.

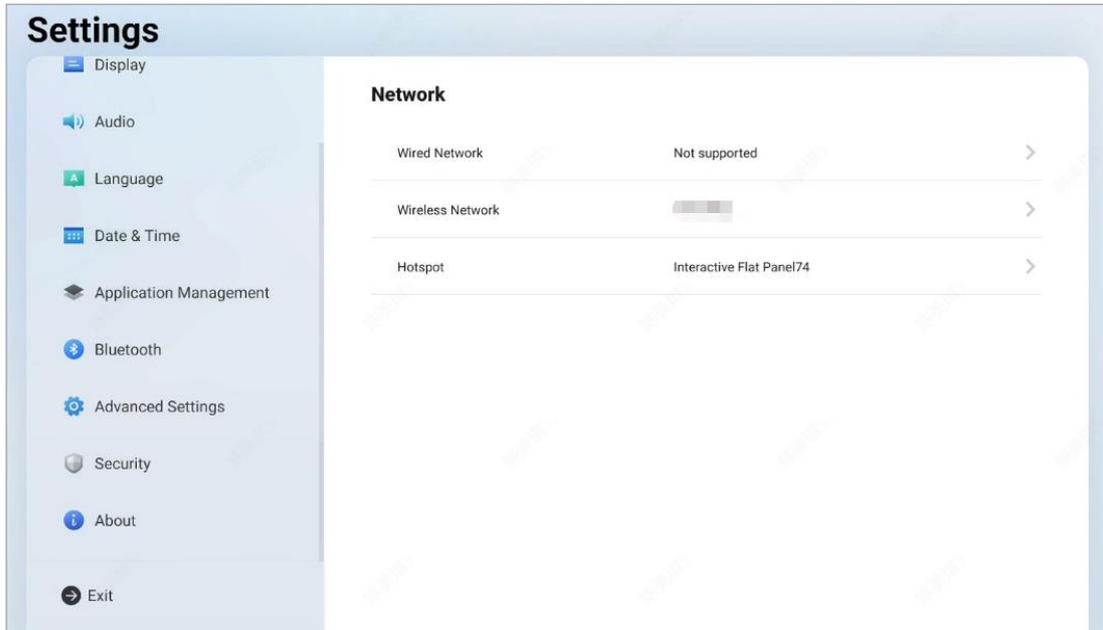


Figure 5-1 Settings Interface

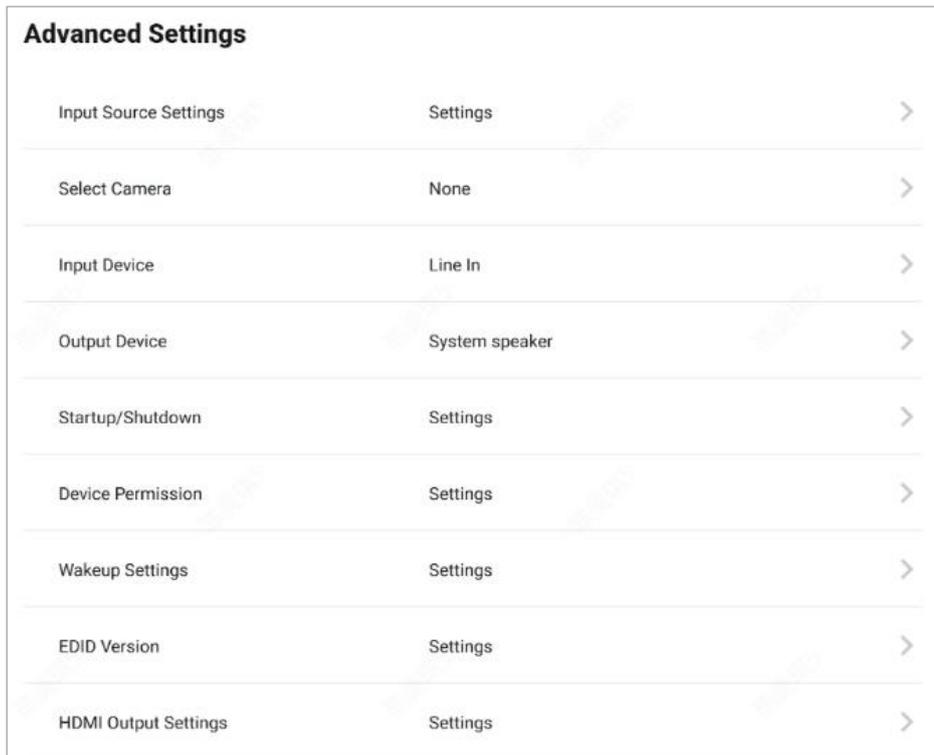
Table 5-1 System Settings Function Description

Function	Description
Network	Configure device access to wired/wireless network and enable device hotspot.
Display	Adjust brightness, eye protection mode, color temperature, color gamut, correction, dehumidification, wallpaper, sleep, and screensaver.
Audio	Adjust the speaker mode and volume.
Language	Change device language.
Date and Time	Adjust device time, date, time zone, time sync, etc.
Application Management	Clear application cache, start application on boot, etc.
Bluetooth	Connect to remote control, speaker, etc., and transfer file via Bluetooth.
Advanced Settings	Input source, external camera, audio input device, audio output device,

Function	Description
	startup/shutdown, device permission, wake up settings, EDID version, HDMI output, and smart USB.
Security	Set the lock screen password and select lock settings items (Verifying lock screen password is required to access network settings and advanced settings) to enhance the security of devices.
About	View device name, serial No., versions, screen size, lamp pitch, memory, legal information, startup duration, etc., and restore to factory settings (All configuration data will be lost. Please proceed with caution).

Advanced Settings

Go to **Settings** → **Advanced Settings** to set the following parameters as needed.



Advanced Settings		
Input Source Settings	Settings	>
Select Camera	None	>
Input Device	Line In	>
Output Device	System speaker	>
Startup/Shutdown	Settings	>
Device Permission	Settings	>
Wakeup Settings	Settings	>
EDID Version	Settings	>
HDMI Output Settings	Settings	>

Figure 5-2 Advanced Settings

- Input Source Settings

- Startup Input Source

Select the input signal source to be entered when the device starts up. You can select the internal system of the device or an external input source. The default input source is "Android". You can edit the name of the input source.

- Auto Switch When Connecting Signal Source

When the device is connected to an external input source, it will automatically switch to the input source.

- Auto Switch When Disconnecting Signal Source

When the device is disconnected from the external input source, the system will switch to the input source set here.

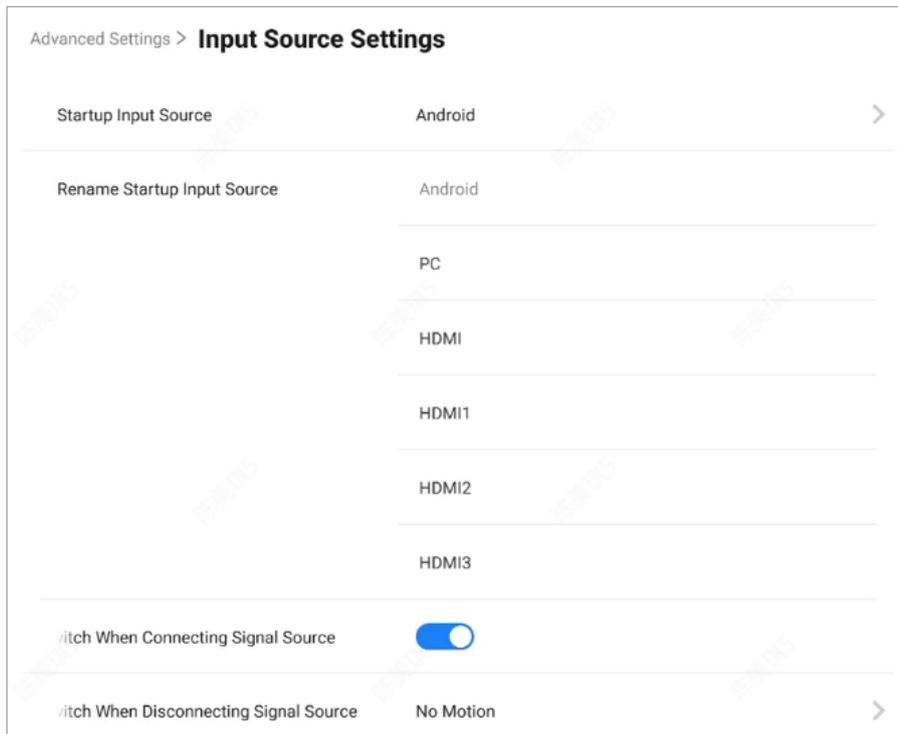


Figure 5-3 Set Input Source

- Select Camera

If you connect the device to multiple cameras, you can switch between them.

- Input Device

Select the audio input device.

- Output Device

Select the audio output device.

- Startup/Shutdown

- Startup Mode: Set the device to startup or standby after power on.

- Scheduled Startup/Shutdown: Set the time for daily scheduled startup and shutdown.

- No-Signal Shutdown: The device will automatically shut down if no signal source is connected for a period of time.
- Device Permission
 - Disable Wi-Fi: Disable device Wi-Fi function.
 - Copy Permission Off: Disable copy permission, and the system will not recognize the inserted USB flash drive.
- Wake Up Settings
 - Wake from Serial Port: Enable to wake up the device via serial port command when in standby mode.
 - Wake from Signal Source: Enable to wake up the device via input signal when in standby mode.
- EDID Version

Set the EDID version of HDMI to 1.4 or 2.0. When the device cannot recognize certain HDMI cables, try EDID 1.4 version.
- HDMI Output Settings

Set the HDMI output resolution, HDCP, and audio.

 **Note**

If you want to enable HDCP, the connected display device should support the HDCP function.

- USB Settings

The USB interface switches according to the selected mode.

 - Select **Android** to access the USB device in Android mode.
 - Select **PC** to access USB devices in PC mode.
 - Select **Follow Systems**, and the connected USB device will follow the system.



See Far, Go Further