

AI Kids Camera



User Manual

Before using this product, please read the user manual carefully.

This manual is for reference only;

Actual operation should be based on the physical product

Product Information

The AI Kids Camera is a smart photography device designed specifically for children. It integrates core features such as AI education and fun photography, balancing educational enrichment with creative play. Its simple operation is tailored to children's usage habits.

● Prerequisites for Product Use:

1. This product supports only 2.4GHz WiFi networks. Mobile hotspots must be set to the 2.4GHz band with WPA2 security; LAN connections are not supported.
2. Requires a stable 2.4G WiFi network or 2.4G mobile hotspot for proper operation.
3. A properly mounted SD card must be inserted; otherwise, multiple functions will not operate correctly. New cards must be formatted on the device to ensure compatibility.

Note: This product reliably supports FAT32-formatted SD cards with a speed class of C10 or higher. All SD cards, regardless of capacity, must be formatted on this device first. If formatting fails, we recommend replacing the SD card with one formatted in FAT32.

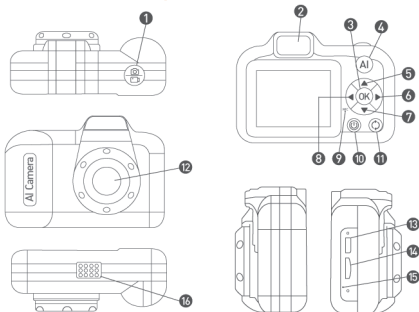
● Important Notice

1. It is recommended to charge the device while powered off. Avoid using the device during charging.
2. Charge promptly when the battery is low. Excessively low battery (indicated by a red battery icon) may cause unstable network signals and trigger uncontrollable issues.
3. Ensure a stable network connection. Weak network environments or network interactions may cause connection instability, resulting in abnormal network requests.

4. This product features a dedicated feedback module. For usage requests or feature suggestions, open the companion app (CS Camera), tap "More" in the bottom-right corner, then select "Contact Support" to submit feedback via the provided email address. We will iterate on product features through OTA firmware updates based on user feedback, continuously enhancing your experience.

Product Structure

1.Product Description



- | | | | |
|-------------------|----------------|----------------------|---------------|
| ❶ Photo Button | ❷ Front Camera | ❸ OK Button | ❹ AI Button |
| ❺ Up Button | ❻ Right Button | ❼ Down Button | ❽ Left Button |
| ❾ Microphone Hole | ❿ Power Button | ⓫ Lens Switch Button | ⓬ Rear Camera |
| ⓭ Charging Port | ⓮ SD Card Slot | ⓯ Reset Button | ⓰ Speaker |

2. Basic Button Operations

● Power Button

- 1) Press and hold for 2 seconds to power on or off the device;
- 2) Press briefly to return to the previous menu.

● AI Button

- 1) During AI functionality, tap to perform AI recognition, chat, translation, and other operations;
- 2) In the photo gallery, tap to identify objects in photos;
- 3) In the camera interface, tap to switch to selfie mode.

● OK Button

- 1) Confirmation button;
- 2) Album Interface When viewing photos, tap to zoom in on an image; when viewing videos, tap to play/pause;
- 3) In the music interface, tap to play or pause.

● Camera Switch Key

- 1) On the main interface, long press to forget the connected network for easier reconnection;
- 2) In photo/video capture, AI object recognition, or AI learning modes: Tap to switch between front and rear cameras.
- 3) In the album grid preview/video viewing interface, tap to bring up the 'Delete' menu; long press to bring up the 'Delete All' menu.

● Shutter Button

Tap to take a photo or start/stop video recording;

● Reset Button

When the device experiences screen glitches, abnormal freezes, or other malfunctions, use a pin-sized tool to briefly press the reset button to force a restart.

● Up key

- 1) Menu interface: Up selection key;
- 2) In AI feature interfaces, tap to increase volume;
- 3) In game interfaces, tap to move upward.

● Left button

- 1) On the main interface, tap to switch functions;
- 2) In the gallery interface, tap to switch to the previous photo/video;
- 3) In the music interface, tap to switch to the previous track;
- 4) In game interface, tap to move left.

● Down key

- 1) In the menu interface, use the down selection key;
- 2) In the AI function interface, tap to decrease volume;
- 3) In the game interface, tap to move down.

● Right button

- 1) On the main interface, tap to switch functions;
- 2) In the album interface, tap to switch to the next photo/video;
- 3) In the music interface, tap to switch to the next track;
- 4) In the game interface, tap to move right.

Basic Interface Introduction and Operation Guide

● Main Interface Button Operations

- 1) Long press the 'Power Button' to turn the device on/off;
- 2) Tap the 'Left/Right Keys' to switch between functions, then tap the 'OK Key' to enter;
- 3) Press and hold the 'Camera Switch Button' to forget the current network and reconfigure network settings.

Network Connection

Before connecting to the network, download and install the 'CS Camera' app on your smartphone (scan the QR code below to download).



- 1) Open CS Camera, tap AI Camera for network setup → Bluetooth pairing (enable Bluetooth) → begin scanning devices;
- 2) The device name starts with 'CS'. Scan and select the device, then enter the WiFi network password to connect. The device will announce 'Network connection successful';
- 3) If the "Network connection successful" announcement does not occur during pairing, press and hold the "Lens Switch Button" for 6 seconds. After forgetting the current network, you can reconnect.

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► AI Object Recognition (Left Icon)

- 1) Press the 'Left/Right button' to select 'AI Object Recognition', then press the 'OK button' to enter the function interface;
- 2) Press the "Capture Button" to photograph the target object for recognition. Press the "AI Button" to announce the recognition result.
- 3) Tap the 'Lens Switch Button' to toggle between front and rear camera views;
- 4) Press the 'Up/Down' buttons to increase/decrease volume;
- 5) Press the 'Power button' to return to the main interface.

► AI Image Generation (Top-right icon)

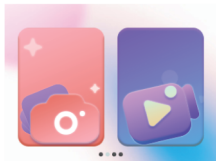
- 1) Tap the 'Left/Right' buttons to select 'AI Image Generation', then tap the 'OK' button to enter the feature interface;

- 2) Tap the 'AI' button. After the 'recording...' prompt appears, state your image generation request. Wait briefly for the AI image to complete;
- 3) After image generation, tap the 'Power button' to return to the image generation interface;
- 4) Press the 'Up/Down' buttons to increase/decrease volume;
- 5) Tap the 'Power button' to return to the main interface.

► AI Chat (bottom-right icon)

- 1) Tap the 'Left/Right' buttons to select 'AI Chat', then tap the 'OK' button to enter the feature interface;
- 2) Tap the 'AI' button to start a conversation.
- 3) Press the 'Up/Down' buttons to increase/decrease the volume;
- 4) Tap the 'Power button' to return to the main interface.

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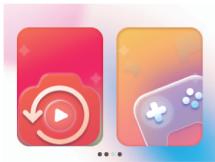
► Taking Photos

- 1) Tap the 'Left/Right button' to select 'Take Photo', then tap the 'OK button' to enter the function interface;
- 2) Tap the 'Shutter button' to take a photo;
- 3) Tap the 'OK button' to switch between photo modes;
- 4) Tap the 'Switch Camera' button to toggle between front and rear camera views;
- 5) Tap the 'Power button' to return to the main interface.

► Video Recording

- 1) Tap the 'Left/Right button' to select 'Video Recording', then tap the 'OK button' to enter the function interface;
- 2) Tap the 'Shutter Button' to start recording; tap again to stop;
- 3) Tap the 'Lens Switch Button' to switch between front and rear camera views;
- 4) Tap the 'Power Button' to return to the main interface.

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► Playback

- 1) Tap the 'Left/Right' buttons to select 'Playback', then tap the 'OK' button to enter the function interface;
- 2) Select '  to view photos, or '  to view videos;
- 3) Photo Preview (Grid Interface): Tap the "Left/Right" buttons to select photos. Tap the "Lens Switch" button to bring up the delete menu; long press to bring up the delete all menu. Tap the "OK" button to zoom in on a photo. After zooming, tap the "AI" button to recognize and announce the photo content. Tap the "OK" button or "Power" button to return to the previous level.
- 4) Video viewing: Tap the 'Left/Right keys' to switch videos; tap the 'Lens switch key' to bring up the delete menu; tap the 'OK key' to play/pause; tap the 'Power key' to return to the previous level;

► Games

- 1) Press the 'Left/Right' buttons to select 'Games', then press the 'OK' button to enter the function interface;
- 2) Press the 'Left/Right' buttons to select a game, then press the 'OK button' to enter;
- 3) Press the 'Up/Down/Left/Right' buttons to move;
- 4) Press the 'Power button' to exit the game and return to the main interface.

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► Music

Before use, download .mp3 format music files to the "MP3" folder on the SD card via your PC, then insert the SD card into the device.

- 1) Tap the 'Left/Right' buttons to select 'Music', then tap the 'OK' button to enter the function interface;
- 2) Press the 'OK button' to play/pause;
- 3) Press the 'Left/Right' buttons to switch songs;
- 4) Press the 'Power button' to return to the main menu.

► Settings

- 1) Press the 'Left/Right' button to select 'Settings', then press the 'OK' button to enter the function interface;
- 2) Press the 'Up/Down buttons' to navigate options, press the 'OK button' to enter submenus, and press again to confirm changes;
- 3) Press the 'Power button' to return to the main interface.

Product Parameters and Specifications

1.Product Parameters

Voice Prompts	On/Off
Loop Recording	1 minute, 3 minutes
Time Stamp	On/Off
Language	English
Screen Brightness	1-8
Auto Shutdown	Off, 1 min, 3 min, 5 min
Volume	0-8
Time/Date	Custom
Format	Confirm, Cancel
Restore Factory Settings	Confirm, Cancel
Firmware Version	XX/XX/20XX V1.0.2 (subject to actual version)

2.Product Specifications

PCB Silk Screen	AI01-818-V1
Main Controller Model	TXW818C04F
Image Sensor	3A03
LED Display	2.4-inch
Keypad	10 keys
Video Format	AVI
Image Format	JPG
Power Supply	USB 5V / Battery 3.7V
Standby Current	USB 5V Standby Current 11.5mA / Battery Standby Current 20.6μA
Low Battery Alert	3.66V
Power Consumption	USB 5V power consumption: 3.1W / Battery power consumption: 1.36W
SD card format	FAT32

Note: This product reserves the right to modify designs and specifications without prior notice.

Frequently Asked Questions

1. Why does the device automatically return to the main interface when using AI-related functions?

A: The AI function may fail to operate normally due to insufficient signal detection, causing the device to automatically return to the main interface. Possible causes include excessive distance from the hotspot or unstable network connection. We recommend adjusting the distance to the hotspot and ensuring a stable network signal before retrying.

2. The device frequently displays a weak signal warning after connecting to the network?

A: The current WiFi network signal strength is insufficient. This may be due to the device being too far from the router or network congestion caused by too many connected devices. We recommend moving the device closer to the router or reducing the number of devices connected to the same network.

3. Unable to connect to WiFi, and the device cannot be found during reconnection?

A: The device may retain previous network connection records, and the current network signal is weak, unavailable, or congested. Press and hold the "Lens Switch Button" to forget the original network, then reconfigure the network via the "CS Camera" app.

4. Already connected to WiFi, but the product still prompts "Please connect to the network"?

A: Verify that the connected WiFi network provides internet access and is not overloaded or experiencing signal issues. If the network is functioning normally, try restarting the device and reconnecting.

5. After powering on, the product occasionally displays abnormal screen visuals with extremely low probability, but functionality remains unaffected?

A: RF interference from electronic devices may rarely affect screen timing, which is normal. Restarting the device will resolve this.

6、Is the AI object recognition accuracy low?

A: To improve recognition accuracy, we recommend meeting the following conditions:

- ① Ensure the shooting environment has sufficient lighting and avoid overexposure.
- ② Verify the lens is properly focused, with a clear and sharp display image.
- ③ Capture the item as completely as possible, including more identifiable markings. If recognition still fails, please email us with the device ID (the SN code from the CS APP Bluetooth connection) and a detailed description of the issue. We will optimize the system accordingly.

7、How to determine if the device is properly connected to the network?。

A: ① If the main interface displays a Bluetooth name + WiFi MAC address (e.g., CS-4567), it indicates incomplete network configuration.

② Press the "OK" button to access AI-related functions. If it enters normally, the network connection is working.

8、Why are the buttons unresponsive during voice announcements?

A: To ensure system stability, button responses are restricted during voice broadcasts. We recommend waiting until the broadcast completes before performing any button operations.

9、How to reconnect after changing environments?

A: After powering on, press and hold the "Lens Switch Button" to forget the original network. Then reconfigure the new environment's WiFi network via the "CS Camera" app.

10、About OTA updates?

A: This product supports remote OTA updates. Once connected to the internet, the device will push update notifications for system optimizations or feature enhancements. Follow the prompts to complete the upgrade.

FCC Warning:

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.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

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.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 0cm between the radiator and your body.