

A23 Origami Instruction Manual

Size: 297X210mm

User's Guide

Audio-Video Recorder

Introduction

•Thank you for purchasing our products. Please read this manual carefully before use and keep it properly for reference when needed. The company reserves the final authority to interpret the contents of this manual, and any amendments will be effective without prior notice.

•This manual serves as the user guide for this product, providing a concise overview of its functional features, performance specifications, structural design, operating procedures, and precautions for users' reference. Please read it thoroughly before use. In case of equipment malfunctions or any questions regarding the content, please contact our company promptly; your suggestions and feedback are also welcome.

warn

•Do not place the camera in areas with high temperatures or direct sunlight; it should be positioned in a cool, dry, and insulated location.

•Avoid placing the display screen and camera lens directly in direct sunlight.

•The battery (battery pack or combined battery) must not be exposed to conditions such as direct sunlight, heat exposure, or similar overheating environments.

•Use batteries and chargers approved by the manufacturer.

•Do not let metal come into contact with the battery's metal contacts.

•Note: Improper battery replacement poses an explosion risk; only batteries of the same type or equivalent type should be used. Replacing with an incorrect battery pack model may compromise safety protections (e.g., for certain types of lithium battery packs). Placing the battery pack in fire or a heating furnace, or subjecting it to mechanical compression or cutting, may cause an explosion. Exposing the battery pack to extremely high temperatures may lead to an explosion or leakage of flammable liquids or gases. Subjecting the battery pack to extremely low air pressure may also result in an explosion or leakage of flammable liquids or gases.

Precautions Before Use

•Before starting work with this product, record a trial video to familiarize yourself with its operation.

•If this product is not used for an extended period, charge it every two months. Before using it again, ensure it is fully charged.

•In the event of a machine malfunction, do not disassemble or repair it arbitrarily; only authorized maintenance personnel are permitted to perform repairs.

•If the screen color shows color deviation after turning on or off the device, simply restart the machine to restore normal colors.

1

•Ensure the camera is powered on.

•Under no circumstances should you attempt repairs yourself, as this may cause damage and void the free warranty repair service.

•Do not position the camera near objects with strong magnetic fields, such as magnets or motors. Additionally, avoid placing the product near objects that emit intense radio waves, as strong magnetic fields may cause product malfunctions or degrade image and sound quality.

•When charging, keep the product out of reach of children, as the power cord may cause accidental suffocation or electric shock.

Product Warranty Guidelines

•To ensure product quality, do not store this product in humid environments, waterlogged conditions, or excessively high temperatures. Any machine damage caused by human negligence, unauthorized disassembly, or improper use will result in the loss of free repair rights during the warranty period.

•Quanhua is not responsible for repairing data on product memory cards. Please save your recorded videos or other files before sending them for repair; otherwise, we cannot be held liable for any data loss. Maintenance fees will apply for products beyond the warranty period.

•As an electronic device, a camera may experience recording interruptions due to component failures, unstable memory cards, power outages during operation, or detachment of the mounting bracket. Therefore, it cannot serve as a substitute for insurance.

•The footage recorded by the camera shall be used for lawful purposes. Our company provides no legal guarantee regarding the usage context or purpose of such footage. The recorded video cannot be guaranteed to serve as valid legal evidence and is intended solely for reference purposes.

•Our company provides limited warranty coverage solely for the camera products themselves and assumes no warranty or liability for any components other than the product itself or for personal injury.

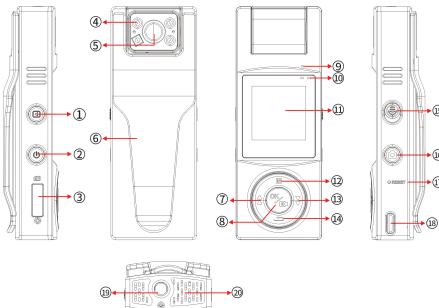
2

Product packaging content

Host, back clip, data cable, charger, certificate of conformity, warranty card, instruction manual QR code card

getting start

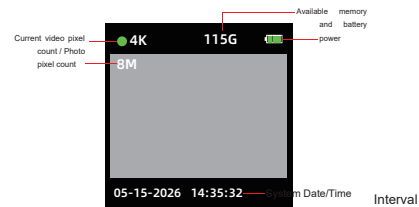
1、Product component name



1. Video button 2. Power button 3. Card slot 4. Infrared light 5. Lens 6. Back clip 7. Up selection button 8. Record/Confirm button 9. Microphone 10. Power status indicator 11. Display screen 12. Menu button 13. Down selection button 14. Return button 15. Recording button 16. Photo button 17. Reset button 18. TYPE-C interface 19. Nut 20. Speaker

3

2、The indicator on the LCD screen

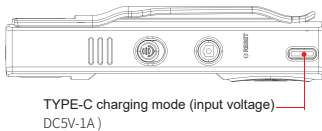


3、Device Charging

Low battery warning: When the battery voltage is too low, the battery level icon in the upper-right corner of the display turns red. The screen intermittently displays the message "Low battery level. Charge promptly" accompanied by an audible alert, and the device will shut down automatically after 5 minutes. Charge immediately when low battery is detected to avoid usage issues.

This product can be charged in two ways:

① . Connect the device to the charger for charging;



② Charge the device via a computer:

Connect this device to the computer using a Type-C data cable at the position shown above for charging. During charging, the status indicator light turns green, the power indicator light turns blue, and the charging completion indicator light turns off.

4

4、Starting Up

When powered off, press and hold the [On/Off] button to power on. After startup, the device enters the preview screen with the status indicator showing green. If no action is taken, it automatically enters screen protection mode after 30 seconds of operation. Similarly, after recording begins, the screen protection mode activates automatically after 30 seconds.

5、Shut Down

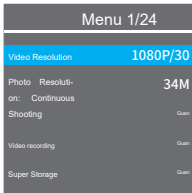
When the device is powered on, press and hold the [On/Off] key to shut it down; all indicator lights will turn off. Shortly press the [On/Off] key to enter screen saver mode.

6、Await the Opportune Moment

When the device is powered on, it automatically enters screen protection mode after 30 seconds unless any action is taken. The screen turns off and the status indicator lights green. Pressing any key will illuminate the display.

7、Menu Settings

In standby mode, press and hold the [Menu Confirm] key to enter the "Menu" settings interface. Once in the menu, use the [Up] or [Down] keys to select the desired setting, confirm it by pressing [Menu Confirm], then adjust the setting using the same keys. After completing the settings, press [Menu Confirm] again to finalize the changes—the device will automatically save them. Detailed system options are not listed here. The screen display is as follows:



5

•Video Resolution: Tap the [Menu Confirm] key to enter the editing mode, then select your preferred resolution by pressing the [Up] or [Down] key. Available options include 4 K/30, 2K/30, 1080P/30, 720P/30, and 480P/30, with 720P/30 as the default. After selecting your desired resolution, confirm your choice by tapping [Menu Confirm].

•Photo Resolution: Tap the [Menu Confirm] key to enter the editing mode, then select the resolution by pressing the [Up] or [Down] keys. Available options include 8M, 12M, 14 M, 20M, 26M, 34M, 40M, and 48M, with 34M as the default. After selecting your preferred resolution, confirm it by tapping the [Menu Confirm] key.

•Continuous photo shooting: Press the [Menu Confirm] key to enter the editing mode, then use the [Up] or [Down] keys to select the number of photos (Off, 3, 5, or 10). The default setting is Off. After selecting your preferred option, press [Menu Confirm] to finalize.

•Video recording: Press the [Menu Confirm] key to enter the editing mode, then use the [Up] or [Down] keys to select an option: Off, 5 seconds, 30 seconds, 1 minute, or 5 minutes. The default setting is Off. After selecting an option, press the [Menu Confirm] key to finalize.

•Super Storage: After opening, reduce image quality to decrease memory usage and extend storage duration. Tap the [Menu Confirm] key to enter the editing mode, then select the option by pressing the [Up] or [Down] key (default: Off). Confirm your selection by tapping [Menu Confirm].

•Loop video recording: When enabled, it automatically replaces old recording files when memory is insufficient. Tap the [Menu Confirm] key to enter the editing mode. Options include On and Off, with Off being the default. After selecting an option, tap [Menu Confirm] to confirm.

•For segmented recording: Press the [Menu Confirm] key to enter the editing mode, then use the [Up] or [Down] keys to select the recording duration (options: 5, 10, 15, 20, or 30 minutes; default: 10 minutes). Confirm your selection by pressing the [Menu Confirm] key.

•Time watermark: Tap the [Menu Confirm] key to enter the editing mode. Use the [Up] or [Down] keys to select the on/off option. After making your selection, tap [Menu Confirm] to finalize.

•Mobile Detection: When enabled, the system automatically initiates recording when an object moves in front of the camera while the device is in standby mode. If no movement occurs within 10 seconds, recording stops after that period; otherwise, it continues until no movement is detected for another 10 seconds before terminating again. To enter the modification menu, press the [Menu Confirmation] key, then use the [Up] or [Down] arrow keys to select the option (On or Off), which defaults to Off. Confirm your selection by pressing the [Menu Confirmation] key.

•Auto Screen Off: When enabled, the screen will automatically turn off after the set time. You can reopen it by pressing any key. Tap the [Menu Confirm] key to enter the editing mode, then select an option using the [Up] or [Down] keys. Available options include 1, 3, 5, 10, and 15 minutes, with 5 minutes as the default. After selecting, tap [Menu Confirm].

6

Key confirmation.

•Automatic shutdown: Press the [Menu Confirm] key to enter the modification mode, then press the [Up] or [Down] key to select an option such as 5, 10, or 15 minutes (default: 10 minutes). After selecting, press the [Menu Confirm] key to confirm.

•Voice prompt: Press the [Menu Confirm] key to enter the modification mode, then press the [Up] or [Down] key to select an option (on/off). The default is on. After selecting, press [Menu Confirm] to finalize.

•Video audio: Tap the [Menu Confirm] key to enter the editing mode, then use the [Up] or [Down] keys to select the option (on or off). The default is on. After selecting, tap [Menu Confirm] to finalize.

•Volume adjustment: Press the [Menu Confirm] key to enter the adjustment menu, then press the [Up] or [Down] key to select a volume level (Low, Medium, High). The default setting is High. After selecting your preferred level, confirm with the [Menu Confirm] key.

•Vehicle mode: Press the [Menu Confirm] key to enter the modification state, then press the [Up] or [Down] key to select the option (on or off). The default is off. After selecting, press the [Menu Confirmation] key to confirm.

•Device ID: Press the [Menu Confirm] key to modify the status, press the [Up] or [Down] key to change the specific content, and press [Menu Confirm] to confirm after completing the input.

•Police Officer ID: Press the [Menu Confirm] key to modify the status, press the [Up] or [Down] key to change the specific content, and confirm by pressing the [Menu Confirm] key after completing the input.

•Close-up mode: When enabled, the recording has no audio prompts or indicator lights. Press the [Menu Confirmation] key to enter the editing state, then use the [Up] or [Down] keys to select the option (On or Off). The default is Off. After selecting, press the [Menu Confirmation] key to confirm.

•Infrared Control: You can set the switch between day and night vision recording modes. In night vision mode, the image appears in black and white, and the infrared light is activated. Tap the [Menu Confirmation] key to enter the dual-color editing mode, then use the [Up] or [Down] keys to select between manual and automatic modes (default: manual). After selecting a mode, confirm it by tapping the [Menu Confirmation] key.

•Voice guidance: Press the [Menu Confirm] key to modify the status, press the [Up] or [Down] key to change the specific content, and press [Menu Confirm] to confirm after completing the input.

•Language: Tap the [Menu Confirm] key to enter the modification state, then tap the [Up] or [Down] key to select an option from Simplified Chinese, Traditional Chinese, or English (default: Simplified Chinese). After completing your selection, tap [Menu Confirm] to finalize.

•Format SD card: Press the [Menu Confirm] key to enter the modification mode. Use the [Up] or [Down] keys to select 'Yes' or 'No'. After making your choice, press [Menu Confirm] again to finalize.

•Restore factory settings: Press the [Menu Confirm] key to enter the modification mode. Use the [Up] or [Down] keys to select 'Yes' or 'No'. After making your choice, press [Menu Confirm] to finalize.

7

•Date/Time: Press the [Menu Confirm] key to modify the status, press the [Up] or [Down] key to change the specific content, and press [Menu Confirm] after completing the input.

•Version: Shows the local version number.

8、Camera Shooting

8.1 Camera

When the device is powered on, tap the [Record] button in the preview window; when powered off, hold down the button for 3 seconds to start recording. During recording, a red dot will begin flashing slowly in the upper-left corner of the screen, with the recording duration displayed in red. The status indicator light turns red and flashes. Tap the [Record] button again to stop recording—the status indicator light changes to green—and the video file is automatically saved to the TF memory card. The screen returns to the camera preview window, and the recording is named with the date and time, using AVI as the extension, and saved to the memory card. For viewing the recorded footage, refer to the "View/Play Video" section.

8.2 Video Lock

During video recording, press and hold the [Up/Highlight] key to lock the current video; release it to unlock. The recording continues uninterrupted. Locked videos are not deleted when stored in loop mode.

9、Take a Picture

When the device is powered on, tap the [Photo] button in the preview screen to take a photo and save it automatically. A "click" sound will be heard during the photo capture. Each button press takes one photo, which is named with the date and time, saved with the JPG extension on the memory card. For photo viewing, refer to the "View/Play Video" section.

10、Record Separately

When the device is powered on, tap the [Record] button in the preview screen to start individual recording. During recording, the screen displays a recording indicator and the status light flashes orange. Tap the [Record] button again to stop recording; the status light turns green, and the audio file is automatically saved to the TF memory card, after which the screen returns to the preview screen.

11、Infrared Night Vision Mode

Upon startup, the infrared night vision function defaults to "Manual" mode, with the infrared light off and the filter switch set to the color filter mode, making it suitable for daytime use. For nighttime operation, switch manually to infrared night vision mode:

8

while powered on, press and hold the [Photo] button during preview to activate infrared mode; the infrared light turns on, displaying red, and the preview or captured images switch to black-and-white. Release the [Photo] button to deactivate infrared mode, after which the infrared light turns off and images return to color. Repeatedly pressing the [Photo] button allows switching between daytime and nighttime operation modes. For automatic switching, set the infrared control to "Automatic" in the menu, enabling the recorder to automatically activate infrared night vision based on ambient light conditions.

12、File Delete

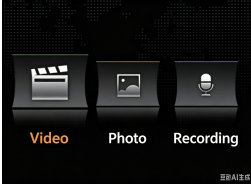
You cannot delete any audio or video files stored on the memory card locally. To delete these files, you must first connect to a computer and access the USB drive via the computer.

13、View/Play Video

a. In standby mode, press and hold the [Playback] button to open the playback menu. Use the [Up] or [Down] keys to select the desired option, as shown below:

b. Press the [Menu Confirm] key to access the playback list, then use the [Up] or [Down] keys to select the file you want to play.

c. During playback, tap the [Menu Confirm] key to pause or resume playback, and tap the [Return] key to go back to the previous menu.



9

14、Indication Light Description

- When the device is powered on, the power indicator light in the preview screen remains green and stays lit continuously.
- When powered on in camera mode, the working indicator light is red and flashes slowly.
- When the device is powered on in recording mode, the work indicator light turns yellow and flashes slowly.
- During startup charging, the power indicator light turns green while the operational status indicator light remains blue.
- When charging after power-off, the power indicator light turns off and the operating status indicator light displays blue.
- When the device is powered on, the work indicator light flashes red each time a photo is taken.

15、Infrared Lamp Usage Instructions

In manual mode, press and hold the camera button to turn on the infrared light.

10

16、Product Parameter

camera lens	F2.4 aperture, high-resolution multi-layer filter wide-angle lens
choose language	Simplified Chinese/English/Traditional Chinese
Video recording	Three adjustable resolutions: 2560x1440P/30, 1920x1080 P/30, and 640x480P/30
Video format	MOV
Video compression format	H.264
Video bitrate	10 M bit/S
source	5V/1A
cell	built-in
memory capacity	Check the device label
duration	1080P screen-off recording lasts for 5–6 hours continuously
Waterproof and dustproof rating	Professional-level
Impact rating	Can withstand a free fall from a height of 2 meters
storage temperature	-40~+60°C
operating ambient temperature	-10~+45°C
system	Windows XP/7/8 SP3/Vista and Mac 10.5 or above

11

Troubleshooting and Resolution

- The device cannot start up and responds to no operation.
- Connect the charger to charge the device. After 4 hours of charging, check if the issue is resolved.
- Check that the charger and cable are functioning properly.
- Press the reset button to restore the device to its factory settings, then check if the issue is resolved.
- If the issue persists, contact after-sales personnel for factory repair.

2. The device image is red

Turn off the device and restart it.

Product warranty card, certificate of conformity

From the date of purchase, the console is covered by a one-year warranty, while accessories are covered by a three-month warranty. To claim warranty services, you must provide valid purchase proof (paper or electronic) and the product warranty card.



Dear Customer:

We'd like to sincerely appreciate your patronage.

To protect your rights, please read the following carefully after purchasing the device:

- From the date of purchase, the console is covered by a one-year warranty, while its accessories are covered by a three-month warranty.
- To qualify for warranty services, you must provide valid purchase receipts (RMB or USD) and the product warranty card to calculate the warranty period.
- Products under warranty continue to enjoy the original warranty period.
- Defective spare parts replaced under the warranty service shall belong to our company.
- The freight costs for repaired products not caused by human factors shall be borne solely by the sender.
- This warranty clause applies only to the original purchaser of the product.

The following situations are not covered by free repair; our company may provide paid services:

- Exceeding the warranty period or altering/destroying the product SN code without authorization.
- Product malfunctions or damage resulting from improper installation or use as specified in the user manual.
- Do not disassemble or repair the device without authorization from our company.
- Product damage caused by accidental factors or human actions, such as exposure to inappropriate voltage or high temperatures, or damage incurred during transportation or handling while the customer receives remote repair.
- Product damage caused by force majeure events such as earthquakes, fires, floods, or lightning strikes.

检验员: QC08 qualification certificate

Product name :	
Product model :	
Dealer Name:	
Customer name :	Contact number :
Mailing address :	
Zip code :	E-mail:
Date of purchase :	
Product Description:	

This warranty reserves the final right to interpret and amend the warranty terms.

12