

# Digital Camera

## User Manual



**RoHS** **FC** **CE** 



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# Before Using Your Camera

## • Standard Accessories

Camera x1



Camera Bag x1



USB Cable x1



Lens Cleaning Cloth x1



HD Cable x1



Camera Strap x1



Battery x1



User Manual x1



**Note:** The standard accessories are the basic configuration of the camera. Please refer to the specific configuration at the time of purchase.

## • Compatible Memory Cards

This camera supports TF memory cards with capacities ranging from 4GB to 256GB and is compatible with SDXC C10 U1 or higher.

## • Usage Guidelines

1. Before using this camera, please read the user manual thoroughly.
2. Due to camera updates and upgrades, there may be slight differences between the camera's physical appearance and the user manual. Please refer to the actual product.
3. Before inserting or removing a memory card, please ensure that the camera is turned off.
4. For new memory cards or those previously used in other cameras, please format them via this camera before your first use.
5. Avoid using the camera in environments with excessive dust, sand, or water to prevent their ingress.
6. Usage in extremely cold or hot environments is not recommended.
7. When using the optical viewfinder for photography, you may experience symptoms like eye fatigue, discomfort, or nausea. It is advisable to take regular breaks.
8. Do not aim the lens or optical viewfinder at the sun, as the focusing effect may cause smoking and ignition.
9. When attaching or detaching external accessories such as flash to the hot shoe, ensure that the power is turned off, and verify that the accessory is securely attached to the camera.
10. Clean the camera with a cloth or damp tissue if it becomes dirty. Use a lens cleaning cloth for the lens and screen.
11. When not in use, remove the battery from the camera and store it in a cool, dry place.

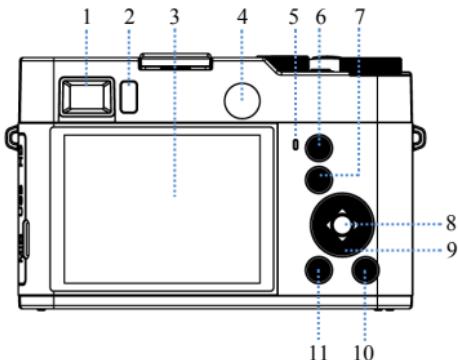
## ● Safety Precautions

Improper handling of the battery may result in battery rupture, fire, chemical burns, and other hazards. Please adhere to the following precautions:

1. Do not disassemble the battery.
2. Avoid squeezing, exposing, or subjecting the battery to impacts or gravity, such as hammering, dropping, or stepping on it.
3. Prevent metal objects from contacting the battery terminals to avoid short-circuiting.
4. Do not expose the battery to temperatures exceeding 60°C (140°F), such as direct sunlight in a car.
5. Do not incinerate the battery.
6. Avoid direct contact with damaged or leaking lithium-ion batteries.
7. Use the original charger or a compatible charger to charge the battery.
8. Keep the battery out of reach of children.
9. Store the battery in a dry place.
10. When replacing the battery, use an original or equivalent type of battery.
11. Please follow the instructions in the manual to properly dispose of used batteries.

# Product Introduction

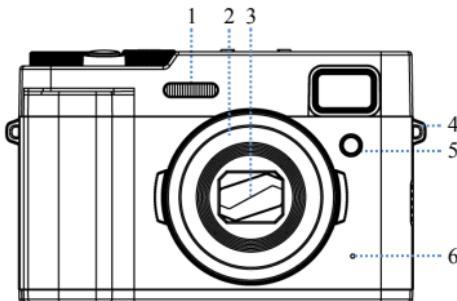
## • Back View



1. Optical Viewfinder: Allows the human eye to observe the framing through this optical mechanism.
2. Optical Sensor: Controls the screen's on/off state by detecting light sources, assisting optical viewfinder usage.
3. Screen: IPS display screen.
4. Rear Camera: Suitable for self-portraits.
5. Indicator Light: Blue light indicates operational status, red light indicates charging status (steady red light indicates ongoing charging, off indicates battery full).
6. Zoom In (Ⓐ): Zoom in during shooting, and increase the volume during playback.
7. Zoom Out (Ⓑ): Zoom out during shooting, and decrease the volume during playback.
8. OK (OK): Confirms selected operations.

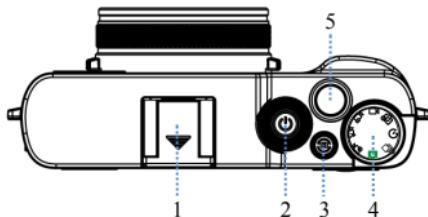
9. Up /Display (): Upward selection, toggles display.
- Down /Delete (): Downward selection, quick deletion.
- Left /Timer (): Leftward selection, timer photography.
- Right /Flash (): Rightward selection, flash mode switch.
10. Menu (): Opens or exits the menu.
11. Playback (): Opens or exits playback mode.

## • Front View



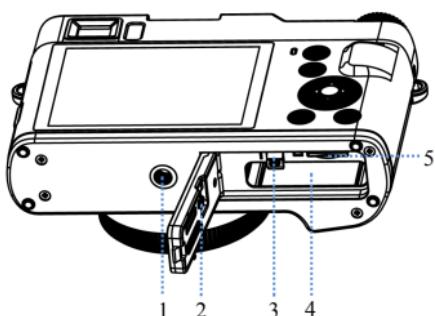
1. Flash: Provides additional light during photography.
2. Lens Assembly.
3. Automatic Lens Cover: Opens and closes automatically.
4. Strap Lug: Connects to a camera strap.
5. AF Assist Lamp: Assists in focusing and filling light under low-light conditions.
6. Microphone: Do not cover it while recording videos. Otherwise, volume will be reduced or noise may be recorded.

## • Top View



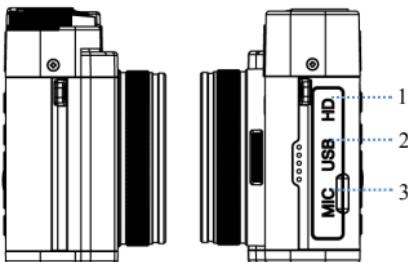
1. Hot Shoe: Mounts accessories like microphones and supplementary lights.
2. Power (⊕): Power on/off.
3. Camera Switcher (⊗): Switches between front and rear cameras.
4. Mode Dial: Rotating the dial swiftly can change shooting modes.
5. Shutter (○): Half-press to focus, fully press to shoot.

## • Bottom View



1. Tripod Mount Hole.
2. Battery Compartment Cover.
3. Locking Pin.
4. Battery Slot.
5. Memory Card Slot.

- **Side View**

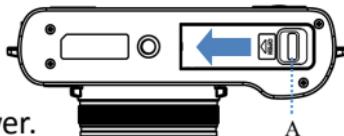


1. **HD TV Port:** Connects to high-definition display devices for high-quality audio & video transmission.
2. **USB Port:** Connects to data cable/charging cable.
3. **MIC Port:** Connects to a microphone.

# Battery/Card Installation and Removal

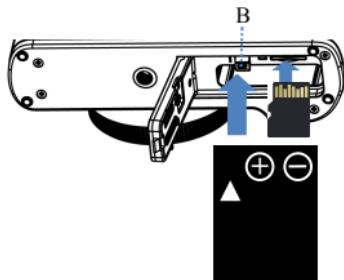
## • Opening the Battery Cover

Push the battery cover latch (A) as indicated and then open the battery cover.



## • Inserting Battery and Memory Card

1. Inserting Battery: Slide the battery into the battery compartment until you hear a locking sound. Confirm that the locking pin (B) secures the battery in place.



2. Inserting Memory Card:

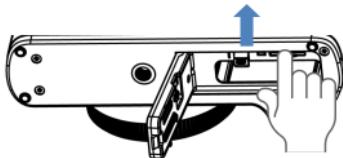
Insert the memory card into the card slot following the icon prompt next to the card slot until you hear a locking sound, indicating that the memory card is properly installed.

**Note:** When inserting the battery and memory card, make sure their directions are correct.

## • Removing Battery/Memory Card

1. Turn off the camera.
2. Removing Battery: Push the locking pin in the direction of the arrow. The battery will automatically pop out, allowing you to remove it.

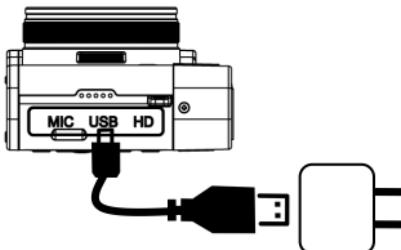
3. Removing Memory Card: Gently press and release the memory card. The card will pop out, allowing you to slide it out.



### • Closing Battery Compartment Cover

Close the battery compartment cover until you hear a locking sound, indicating that the cover is securely closed.

## Charging Battery



1. Insert the battery into the camera.
2. Use a USB cable (Type-C) to connect the camera to a power adapter.
3. Charging Indicator:

**Red Light On:** Charging is in progress.

**Red Light Off:** The battery is fully charged and charging has stopped.

# Formatting Memory Card

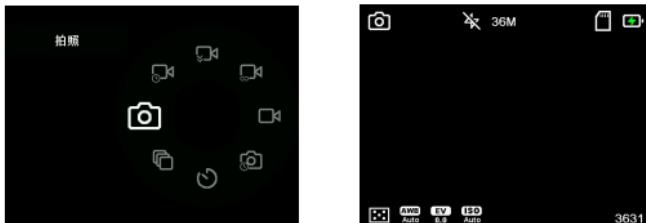
1. This camera supports TF cards (4-256GB) with SDXC C10 U1 rating or higher.
2. For new memory cards or cards previously used in other cameras, it is essential to format them using this camera before use. Prior to formatting, ensure data backup! (Formatting the memory card will delete all previously recorded data, and it cannot be recovered.)
3. After inserting the memory card, power on the camera. Press the Menu (MENU) to access the menu screen (A), then press the Playback (PLAY) to select System Settings (SETTINGS), followed by the Up (DISP) or Down (DISP) to choose "Format." Confirm by pressing the OK (OK), leading to the formatting screen (B). Select "Yes" to proceed, and when "Completed" appears, the formatting is successful. Press the Menu (MENU) to exit the menu.



# Basic Shooting Operations

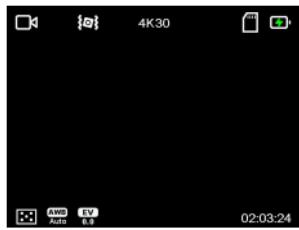
## • Taking Photos

1. After powering on, rotate the mode dial to access the shooting mode screen and select the photo mode.
2. Half-press the shutter button to focus, and a green frame will appear on the screen. Fully press the shutter to capture the photo.
3. You can use the Zoom In (Q) and Zoom Out (Q) to adjust digital zoom.



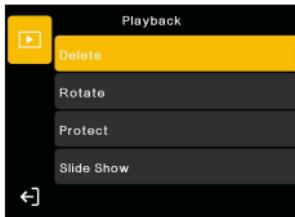
## • Recording Video

1. After powering on, rotate the mode dial to access the shooting mode screen and select the video mode.
2. Fully press the shutter to start recording.
3. You can use the Zoom In (Q) and Zoom Out (Q) to adjust digital zoom.
4. Fully press the shutter again to stop recording.



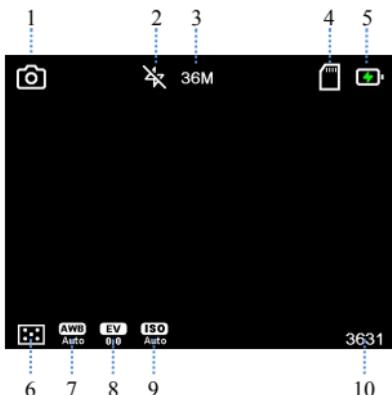
## • Playback

1. Enter playback mode: After powering on, press the Playback (PLAY) to enter playback mode. Use the Left (◎) or Right (⚡) to browse photos and videos. Press the Playback (PLAY) again to exit playback mode.
2. View photos: Use the Zoom In (Q) or Zoom Out (Q) to enlarge or reduce the size of photos.
3. View videos: Press the OK (OK) to play a video, and press the OK (OK) again to pause. While playing or pausing, use the Left (◎) or Right (⚡) to fast-forward or rewind the video. Press the Menu (MENU) to exit video playback.
4. File information: While browsing a photo or video, press the Up (DISP) to display relevant information. Press the Up (DISP) again to hide the information.
5. File library: While browsing photos or videos, press the Zoom Out (Q) to enter the file library, where you can filter photos and videos. Select a file in the library and press the OK (OK) to view it.
6. Deleting files: While viewing a photo or video, press the Down (⊖) to quickly delete the file.
7. Playback settings: Press the Menu (MENU) to access playback settings and press the Menu (MENU) again to exit the settings.



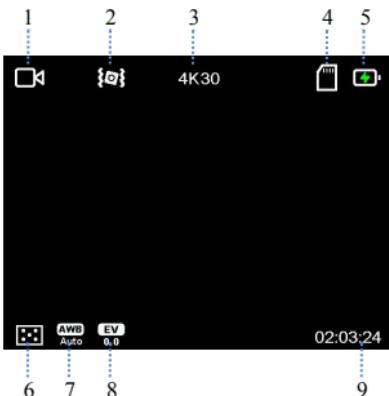
# Basic Shooting Icons

## • Photo Mode Icons



| NO. | Icon                  | Description   |
|-----|-----------------------|---|
| 1   | Shooting Mode         | Current shooting mode; rotate the mode dial to switch between modes.                        |
| 2   | Flash Mode            | Press the Flash to toggle between flash modes: flash off, flash on, fill flash, auto flash. |
| 3   | Image Size            | Current photo resolution setting.   |
| 4   | Memory Card           | Indicates if a memory card is installed.  |
| 5   | Battery Status        | Battery charging status or battery level.   |
| 6   | Metering Mode         | Current metering mode: center-weighted, multi-zone, spot.                                   |
| 7   | White Balance         | Current white balance setting.  |
| 8   | Exposure Compensation | Current exposure compensation value.  |
| 9   | ISO Sensitivity       | Current ISO sensitivity setting.  |
| 10  | Available Photo Count | Number of photos that can be taken with the camera's current memory.                        |

## • Video Recording Icons



| NO. | Icon                     | Description  |
|-----|--------------------------|--|
| 1   | Shooting Mode            | Current shooting mode; rotate the mode dial to switch between modes.                 |
| 2   | Image Stabilization      | Icon appears when image stabilization is enabled, and disappears when it's disabled. |
| 3   | Video Size               | Current video resolution setting.  |
| 4   | Memory Card              | Indicates if a memory card is installed.   |
| 5   | Battery Status           | Battery charging status or battery level.  |
| 6   | Metering Mode            | Current metering mode: center-weighted, multi-zone, spot.                            |
| 7   | White Balance            | Current white balance setting.   |
| 8   | Exposure Compensation    | Current exposure compensation value.   |
| 9   | ISO Sensitivity          | Current ISO sensitivity setting.   |
| 10  | Available Recording Time | Remaining recording time in the camera's current memory.                             |

# Basic Camera Settings

## • System Settings

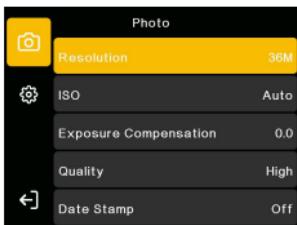
Access System Settings: After turning on the camera, press the Menu (MENU) and then press the Playback (PLAY), and find the Settings (SETTINGS).



|                   |   |
|-------------------|---|
| WiFi              | Off/On; default setting is Off.   |
| AF Assist Lamp    | Off/Auto.   |
| Metering Mode     | Center/Multi-Point/Spot.  |
| White Balance     | Auto/Daylight/Cloudy/Tungsten light /Fluorescent (H)/Fluorescent (L).   |
| Effect            | Original/Black and White/Natural/Negative/Warm /Cold.   |
| Light Frequency   | 50 Hz/60 Hz   |
| Sound Settings    | Shutter Sound/Key Sound/Volume.   |
| Date & Time Setup | Use the Left or Right to switch between year/month /day/hour/minute. Use the Up and Down to adjust the date and time.               |
| Auto Power Off    | Choose auto power-off time: 1/3/5 minutes after entering standby mode.  |
| Language          | English/simplified Chinese/Traditional Chinese /Japanese/Korean/French/German/Italian/Spanish /Portuguese/Russian/Polish/Vietnamese |
| Format Card       | Format the memory card before first use.  |
| Factory Reset     | Restore camera settings to default.   |
| Version           | Displays the device's version number  |

## • Photo Settings

Photo Settings: Rotate the mode dial to the Photo Mode (  ), then press the Menu (  ) and select Photo Settings (  ).



|                       |  |
|-----------------------|--|
| Resolution            | 48M;36M;24M;20M;<br>16M;12M; 8M;5M                             |
| ISO                   | Auto /ISO 100/ISO 200/<br>ISO 400/ISO 800/ISO 1600<br>/ISO3200 |
| Exposure Compensation | EV-2.0/EV-1.0/EV0/EV+1.0<br>/EV+2.0/, default EVO              |
| Image Quality         | High/Medium/Low  |
| Date Stamp            | Off/Date/Date and Time   |

## • Video Settings

Video Settings: Rotate the mode dial to the Video Mode (  ), then press the Menu (  ) and select Video Settings (  ).



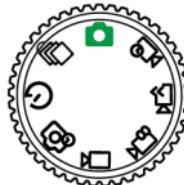
|                       |  |
|-----------------------|--|
| Resolution            | 5K 30FPS; 1080P 30FPS<br>4K 30FPS; 720P 240FPS<br>2.7K 30FPS; 720P 120FPS<br>1080P 120FPS; 720P 60FPS<br>1080P 60FPS; 720P 30FPS |
| Image Stabilization   | On/Off   |
| Exposure Compensation | EV-2.0/EV-1.0/EV0/EV+1.0/<br>EV+2.0/, default EVO  |
| Date Stamp            | Off/Date/Date and Time   |

# 8 Shooting Modes

## • Switching Shooting Modes

After powering on, rotate the mode dial to select one of the 8 shooting modes to switch to:

1. Photo 
2. Burst Photo 
3. Timer Photo 
4. Delayed Photo 
5. Video 
6. Loop Recording 
7. Slow Motion 
8. Timelapse Video 



## • Shooting Modes

### 1. Photo Mode

In photo mode, simply press the Shutter to take a photo.

### 2. Burst Photo Mode

In burst photo mode, set the burst count (3 bursts/5 bursts/10 bursts), then press the Shutter. The camera will capture the specified number of photos in succession according to your setting.

### 3. Timer Photo Mode

In timer photo mode, set the timer delay (2 seconds/5 seconds/10 seconds), then press the Shutter. The camera will start a countdown (2 seconds/5 seconds/10 seconds) before capturing the photo.

### 4. Delayed Photo Mode

In delayed photo mode, set the interval (3 seconds/5 seconds/10 seconds/30 seconds/1 minute) and duration (unlimited/5 minutes/10 minutes/15 minutes/20 minutes/60 minutes).

Press the Shutter to start capturing photos at the set interval for the specified duration. To stop delayed photo mode, press the Shutter again.

## **5. Video Mode**

In video mode, press the Shutter to start recording, and press it again to stop recording.

## **6. Loop Recording Mode**

In loop recording mode, set the video file length (1 minute/5 minutes/10 minutes). Press the Shutter to start recording a video segment of the specified length. When the time is up, the camera will stop recording and automatically start a new video segment in a loop. To stop loop recording, press the Shutter again.

## **7. Slow Motion Mode**

In slow-motion mode, press the Shutter to start recording in slow motion. The camera will capture at a higher frame rate, resulting in slower motion playback. The recorded video will also be longer than real-time. Playback will show slower motion.

## **8. Timelapse Video Mode**

In timelapse video mode, set the interval (1 second/3 seconds/5 seconds/10 seconds/30 seconds/1 minute) and duration (unlimited/5 minutes/10 minutes/15 minutes/20 minutes/60 minutes). Press the Shutter to start recording a timelapse video with intervals of 1 to 60 seconds. Timelapse video compresses time, creating shorter videos with faster motion. To stop timelapse video mode, press the Shutter again.

# Connecting Camera to App via WiFi

## • Installing the App

For Android users, search and install the "iSmart DV2" app from Google Play.

For iPhone users, search and install the "iSmart DV2" app from the App Store.

## • Connecting to WiFi

1. After turning on the camera, long-press the Menu for 3 seconds to activate the camera's WiFi signal. The camera screen will display the WiFi name and password.
2. Open the WiFi settings on your smartphone or tablet, find the camera's WiFi source named "5K-XXXXXX," click to connect, and enter the camera's WiFi password.

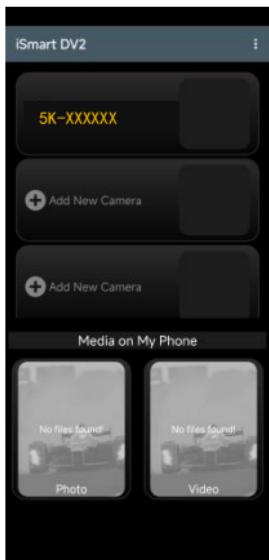


## • Using the App

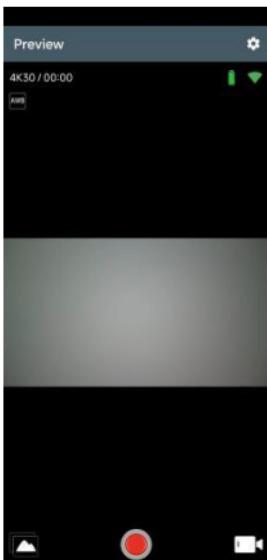
1. Once WiFi is connected, users can preview and browse the camera's photos and videos through the app. Files from the camera can also be downloaded to a phone or tablet for sharing.

Remote control is also possible through the app.

2. Before using the app, set the camera's video resolution to 2K or below. Setting it to 5K resolution may result in file size issues and potential app instability.
3. Ensure your phone has sufficient space and speed to play downloaded files. Otherwise, the video may not play smoothly.



App preview under WiFi connection



Previewing videos and photos on the app

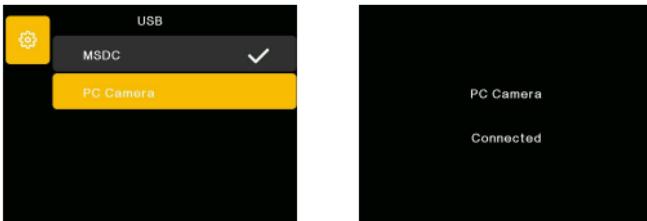
## • Closing WiFi Connection

To exit the WiFi connection, short-press the Menu to turn off the camera's WiFi.

# Other Camera Functions

## • Webcam

1. Connect the camera to a computer using a USB cable.
2. When the computer detects the camera, a USB interface will pop up. Select "Webcam."
3. Social media applications will automatically recognize the camera. In the external camera settings of social media software, choose "USB CAMERA."
4. To exit the webcam mode, long-press the Power until the camera turns off.



## • Connecting to TV for Playback

1. Use an HD cable to connect the camera to a TV.
2. With the camera connected to the TV, press the Menu twice to enter playback mode. Use the "Up/Down" to select a video file and press OK to play.
3. To exit TV playback, long-press the Power until the camera turns off

- **Uploading Files to Computer**

1. Connect the camera to a computer using a USB cable.
2. When the computer detects the camera, a USB interface will pop up. Select "Mass Storage."
3. Once connected, you can upload the camera's photos and videos to the computer.
4. To exit the upload mode, long-press the power key until the camera turns off.
5. Alternatively, you can insert the camera's memory card into a card reader, then connect the card reader to the computer to upload files from the memory card.

## Product Specifications

|                        |  |
|------------------------|--|
| Photo Resolution       | 48M(8000×6000); 36M(6880×5160)<br>24M(5600×4200); 20M(5120×3840)<br>16M(4640×3480); 12M(4032×3024)<br>8M(3264×2448); 5M(2592×1944) |
| Video Resolution       | 5K 30FPS; 4K 30FPS; 2.7K 30FPS; 1080P 120FPS;<br>1080P 60FPS; 1080P 30FPS; 720P 240FPS;<br>720P 120FPS; 720P 60FPS; 720P 30FPS     |
| Photo Format           | JPG  |
| Video Format           | MP4  |
| Zoom                   | 16x digital zoom   |
| Focus                  | Aperture F/2.2, Focal length f=3.37mm  |
| Best Shooting Distance | Lens: 10cm to infinity<br>Rear camera: 40-60cm   |
| Shutter Speed          | 1/2 second - 1/3840 second   |
| Screen Size            | 2.8-inch IPS display   |
| USB                    | Type-C interface   |
| MIC                    | 3.5mm interface  |
| Tripod Mount Hole      | 1/4-inch standard screw hole   |
| Input                  | 5V== 1A  |
| Operating System       | Win7/Win8/Win 10/ Win 11   |
| Camera Size            | 115.4mm*55mm*70.6mm  |
| Camera Weight          | 226g (including battery)   |

# Troubleshooting

|  |  |
|--|--|
| Camera doesn't start after installing the battery              | Battery is low, please charge and try again.   |
|  | Battery packaging is not removed.  |
|  | Battery is inserted incorrectly, ensure proper orientation.                          |
| Unable to take photos or record by pressing the shutter button | Memory is full, save files to another storage device.                                |
| Blurry photos  | Camera shake during capture. Keep the camera steady with both hands or use a tripod. |
| Dark photos or videos  | Insufficient lighting, shoot in well-lit conditions or use additional lighting.      |
| Camera auto shuts down   | Low battery, replace with a charged battery.   |
|  | Disable auto-shutdown in system settings.  |
| Cannot delete files from the camera                            | Files are locked, disable file lock in playback settings.                            |
| Camera freezes or displays distorted screen                    | Storage card format error, format the card in-camera or on a computer.               |
|  | Loose connection of the screen's connecting cable (requires repair).                 |
| Charging issues  | Battery not properly inserted, ensure proper installation.                           |
|  | Clean battery metal contacts if they're dirty, then charge.                          |

|  |   |
|--|---|
|  | Ensure USB charging cable and power adapter are properly connected.   |
|  | Red light staying on indicates charging, blinking red light indicates improperly inserted battery, light off indicates full charge.   |
|  | Faulty battery IC (requires repair).  |
| Memory card not reading  | Incompatible files on the memory card, format the card in-camera or on a computer.  |
|  | Damaged card slot (requires repair).  |
| Short video recording time during WiFi connection                                      | Low battery, charge and try again (WiFi connection consumes more power).  |
| Image may be laggy or unable to open camera interface in the app under WiFi connection | Camera resolution is set to 5K, which is too high and results in large file sizes, causing difficulties in transferring to your smartphone or tablet. Please adjust the resolution to 2K or lower (including 2K) to resolve this issue. |
|  | Phone or tablet too far from the camera, reduce distance.   |
| App crashes or freezes   | Update the app for compatibility with the current device.   |

## FCC Warning Statement

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

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.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

NO.DC203 20230825