Kodak

PIXPRO SP360 4K

Action Cam

User Manual

BC

Before You Start

Declaration of Conformity

Responsible Party: JK Imaging Ltd.

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JK Imaging Europe, 71 Clarendon road, Watford, WD17 1DS, UK

Company Website: www.kodakpixpro.com

About this Manual

Thank you for purchasing this product. Please read this manual carefully and keep it in a safe place for future reference.

- JK Imaging Ltd. reserves all rights of this document. No part of this published manual may be reproduced, transmitted, transcribed, stored in a retrieval system or translated into any language or computer language, in any form, by any means, without the prior written permission of JK Imaging Ltd..
- All trademarks mentioned in this manual are used for identification purposes only and are properties of their respective owners.
- This manual provides you with instructions on how to use your new KODAK PIXPRO Action Cam. Every effort has been made to ensure that the contents of this manual are accurate; however JK Imaging Ltd. reserves the right to make changes without notice.
- Throughout this manual, indicates the useful information, " Page number" indicates an introduction to the contents on this page.

For Customers in the U.S.A.

Federal Communication Commission Interference Statement

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 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 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.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Radiation Exposure Statement:

This product complies with the FCC portable RF exposure limit set forth for an uncontrolled environment and is safe for intended operation as described in this manual. Additional RF exposure reduction can be achieved if the product can be kept as far as possible from the user body or set the device to lower output power if such function is available.

FOR COUNTRY CODE SELECTION USAGE (WLAN DEVICES)

Note: The country code selection is for non-US model only and is not available to all US model. Per FCC regulation, all WiFi product marketed in US must fixed to US operation channels only.

INDUSTRY CANADA

This device complies with RSS-247 of the Industry Canada 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.

Radiation Exposure Statement:

Ce dispositif est conforme à la norme CNR-247 d'Industrie Canada applicable aux appareils radio exempts de licence. Son fonctionnement est sujet aux deux conditions suivantes: (1) le dispositif ne doit pas produire de brouillage préjudiciable, et (2) ce dispositif doit accepter tout brouillage reçu, y compris un brouillage susceptible de provoquer un fonctionnement indésirable.

The product comply with the Canada portable RF exposure limit set forth for an uncontrolled environment and are safe for intended operation as described in this manual. The further RF exposure reduction can be achieved if the product can be kept as far as possible from the user body or set the device to lower output power if such function is available.

Le produit est conforme aux limites d'exposition pour les appareils portables RF pour les Etats-Unis et le Canada établies pour un environnement non contrôlé.

Le produit est sûr pour un fonctionnement tel que décrit dans ce manuel. La réduction aux expositions RF peut être augmentée si l'appareil peut être conservé aussi loin que possible du corps de l'utilisateur ou que le dispositif est réglé sur la puissance de sortie la plus faible si une telle fonction est disponible.

For Customers in Europe

This symbol [crossed-out wheel bin WEEE Annex IV] indicates separate collection of electrical waste and electronic equipment in the European countries. Please do not throw the equipment into domestic refuse. Please use the return and collection systems available in your country for proper, safe disposal of this product.

"CE" mark indicates that this product complies with the European requirements for safety, health, environment and customer protection. "CE" marked cameras are intended for sales in Europe.

Europe – EU Declaration of Conformity

This device complies with the essential requirements of the R&TTE Directive 1999/5/EC. The following test methods have been applied in order to prove presumption of conformity with the essential requirements of the R&TTE Directive 1999/5/EC:

- EN60950-1/A12:2011+A2:2013

  Safety of Information Technology Equipment
- EN 62311:2008

  Assessment of electronic and electrical equipment related to human exposure restrictions for electromagnetic fields (0 Hz-300 GHz) (IEC 62311:2007 (Modified))
- EN 62479:2010

  Assessment of the compliance of low power electronic and electrical equipment with the basic restrictions related to human exposure to electromagnetic fields (10 MHz to 300 GHz)
- EN 50364:2010

  Limitation of human exposure to electromagnetic fields from devices operating in the frequency range 0 Hz to 300 GHz, used in Electronic Article Surveillance (EAS), Radio Frequency Identification (RFID) and similar applications
- EN 300 440-1 V1.6.1:2010

  Electromagnetic compatibility and Radio spectrum Matters (ERM); Short range devices; Radio equipment to be used in the 1 GHz to 40 GHz frequency range; Part1: Technical characteristics and test methods
- EN 300 440-2 V1.4.1:2010

  Electromagnetic compatibility and Radio spectrum Matters (ERM); Short range devices; Radio equipment to be used in the 1 GHz to 40 GHz frequency range; Part 2: Harmonized EN under article 3.2 of the R&TTE Directive
- EN 300 328 V1.9.1:2015

  Electromagnetic compatibility and Radio spectrum Matters (ERM); Wideband transmission systems; Data transmission equipment operating in the 2.4GHz ISM band andusing wide band modulation techniques; Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive
- EN 302 291-1 V1.1.1:2005

  Electromagnetic compatibility and Radio spectrum Matters (ERM); Short Range Devices (SRD);

  Close Range Inductive Data Communication equipment operating at 13.56 MHz; Part 1: Technical characteristics and test methods
- EN 302 291-2 V1.1.1:2005

  Electromagnetic compatibility and Radio spectrum Matters (ERM); Short Range Devices (SRD); Close Range Inductive Data Communication equipment operating at 13.56 MHz; Part 2: Harmonized EN under article 3.2of the R&TTE Directive
- EN 301 489-1 V1.9.2:2011

  Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 1: Common technical requirements
- EN 301 489-3 V1.6.1:2013

  Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 3: Specific conditions for Short-Range Devices (SRD) operating on frequencies between 9 kHz and 246 GHz

- EN 301 489-17 V2.2.1:2012

  Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment; Part 17: Specific conditions for Broadband Data Transmission Systems

Hereby, [Sintai Optical (Shenzhen) Co., Ltd], declares that these [Action Cam and Remote] are in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

Packaging: Please follow local regulations for the recycling of packaging.

Batteries: Please dispose of used batteries at designated collection centers.

Safety Notes

Product Notes:

- Do not disassemble or attempt to repair the product by yourself.
- Do handle the product properly. This product may be damaged if dropped, punctured or crushed.
- Avoid directly touching the lens element, please use professional lens cleaning paper together with lens cleaning agents to wipe the lens and keep the lens clean.
- Do not use corrosive, alcoholic or organic-solvent-containing cleaners to wipe this product.
- Do not use or store this product in high temperature environment.
- Do not expose the lens to strong light sources (e.g. daylight, etc.) for extended periods.
- Do not use or store the product in a strong magnetic field environment.
- If the product is quickly transferred from a low temperature environment to a high temperature environment, water condensation may occur in the product due to physical changes. In this case, it is recommended to wait until the product returns to room temperature before you turn it on.
- If a photo or video cannot be played back due to improper operation by the user, the Company shall assume no liability or responsibility for compensation.
- Store the product in a dry and clean environment when you are going to store the product for a long period.
- According to the characteristics of the electronic elements of the camera, the temperature of the camera will rise (heat is emitted) in the use process.
- Even though the temperature is relatively high when heat is emitted from the surface of the camera, the camera is capable of shooting continuously without faults.
- When the camera detects that the temperature of the body is within certain temperature limitation, it will power off automatically.
- In case of power off due to the temperature limitation, the camera can be activated for shooting again after its temperature drops.
- Due to the influence of environment temperature, the time of the temperature limitation is unfixed.

Battery Notes:

- Please use a battery that is the same type as the one included.
- If the battery overheats during charging or use, stop charging or use immediately. Turn off the product, remove the battery carefully, and wait until it cools down.
- Please keep the battery contacts clean and dry.
- Please install the battery according to the positive and negative markings on the battery compartment. Never force it into the battery compartment.
- If battery fluid leaks into the product, please contact your retailer. If battery fluid leaks onto your skin, rinse your skin immediately with clean water and seek for medical attention.
- To prevent the battery from being damaged, do not drop the battery, hit it with heavy objects or scratch it with sharp objects.
- Do not let the battery be in contact with metal objects (including coins) in order to avoid short-circuiting, discharging, excessive heating, or possible leakage.
- Do not heat the battery or throw it into a fire in order to avoid a possible explosion.
- Remove the battery if it will be stored for a long period.
- Do not store the battery in high temperature environment.
- Using the battery in cold environment will result in a much lower performance.
- Do not attempt to disassemble the battery by yourself.
- Please dispose the battery properly according to local laws and regulations (national or regional).

Memory Card Notes:

- The memory card referred to in this manual is a microSD card, microSDHC card or microSDXC card.
- Please keep the memory card clean and dry.
- When inserting a memory card, make sure the notch direction of the card matches the notch direction of the memory card mark near the card slot. Do not force the memory card into the card slot.
- Before using a brand new memory card, please format the memory card first.
- A photo or video taken with the product will be stored in the folder that is automatically generated on the memory card. Do not store photos or videos that were not taken using the product in these folders in case the files cannot be normally recognized in playback.
- Directly editing the data on the memory card is not recommended. Copy the data to your computer disk before editing is recommended.
- Please turn the product off before removing the memory card. Otherwise, the memory card could be damaged.
- When the product is stored for a long period, please backup the data on the memory card and remove the memory card.

Other Notes:

- Do not disconnect the power or turn the product off during firmware updating process. Doing so may cause incorrect data to be written and the product may not power on later.
- When using your product on an airplane, observe the relevant rules specified by the airline.
- Due to the limitations of manufacturing technology, the LCD may have a few dead or bright pixels. These pixels do not affect the quality of the photos or videos.
- If the LCD screen is damaged, please pay close attention to the liquid crystal in the screen. If any of the following situations arise, kindly take the recommended actions immediately as indicated below:
  1. If liquid crystal comes in contact with your skin, please wipe your skin with a dry cloth, wash with soap thoroughly, and rinse with plenty of clean water.
  2. If liquid crystal gets into your eye, flush your eye with plenty of clean water immediately for at least 15 minutes. Please also seek for medical assistance.
  3. If liquid crystal is swallowed accidentally, immediately rinse your mouth with clean water and try to induce vomiting. Please also seek for medical assistance.

Waterproof Notes:

- This product is splash proof for the purposes of daily activities. Before use, please make sure to lock the battery cover, and tightly close the side cover.
- Any scratches, cracks, or small foreign objects (such as sand or hair) attached to the rubber ring inside of the side cover will affect the efficacy of splash proof function. Before use, please check whether the waterproofing rubber is damaged or contaminated with a foreign object before closing the side cover. When there is a foreign object on the waterproofing rubber and its adjacent surfaces, please use a clean, lint-free dry cloth to clean it. If there are any scratches or cracks, immediately go to a service center for maintenance and obtain a replacement waterproofing rubber.
- Before using the product in water, please make sure you place it inside the waterproof housing first. It can be submerged to no more than 60 meters (196 feet) under the water at a temperature not exceeding 40 °C. The product can maintain its waterproof performance for up to 4 hours at a depth of 60 meters (196 feet) under water.
- Do not open the waterproof housing when submerged in water.
- Do not directly open the side cover or battery cover, when the product accidentally is exposed to water. Please turn off the power and wipe it with a clean, dry, lint-free cloth before opening the battery cover and side cover in order to remove the battery and the memory card.
- When opening the battery cover and the side cover, if there are water droplets on the surfaces located between the interior and the body, please make sure to wipe them off.
- After using the product in the presence of sand, mud or other foreign matter, please rinse it with clean water (please make sure to lock the battery cover, and close the side cover tightly before rinsing). After rinsing, wipe it with a clean, dry, lint-free cloth.

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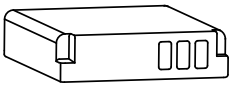
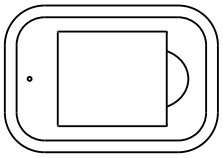
Getting Ready

Accessories Included

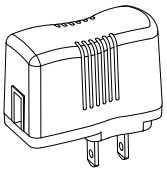
Your product box should contain the product you purchased along with the following accessories. If anything is missing or appears to be damaged, please contact your retailer. (The AC Adapter style will vary according to the power requirement from different countries or regions. Below picture is for reference only)



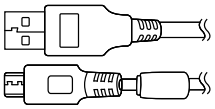
Rechargeable Li-ion battery



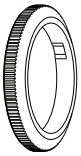
Battery charger



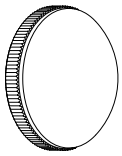
AC adapter



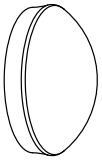
Micro USB cable



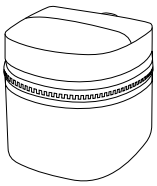
Lens ring
(installed on the product when leaving factory)



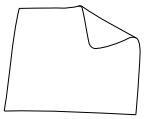
Lens cover



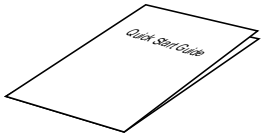
Protective cover



Carrying case



Cleaning cloth

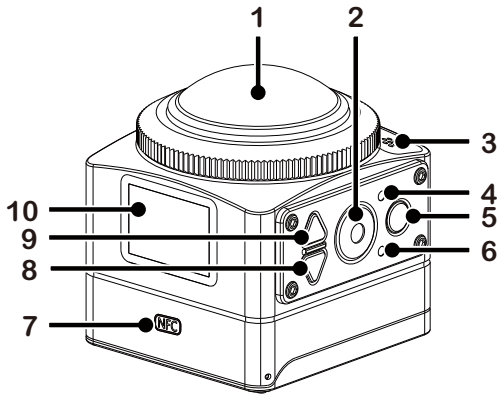


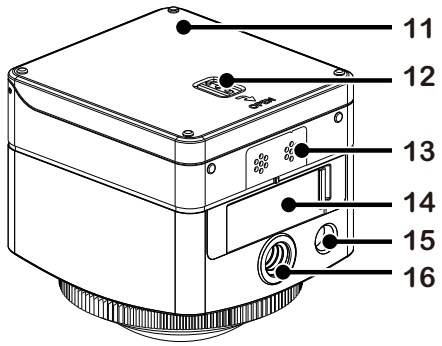
Quick start guide

Warranty card

Service card

Kodak PIXPRO SP360 4K View





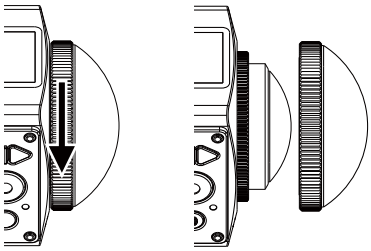
1	Lens
2	Video recording button / Shooting button / OK button
3	Microphone
4	Status indicator
5	Wi-Fi button
6	Wi-Fi indicator
7	NFC mark
8	Menu button / Direction button (lower)
9	Power button / Mode button / Direction button (upper)
10	LCD
11	Battery cover
12	Battery cover lock
13	Buzzer
14	Side cover
15	Location hole
16	Tripod socket

Mounting / Removing Lens Ring and Lens Cover

The processes of mounting/removing lens ring and lens cover are the same, with lens cover as an example as below:

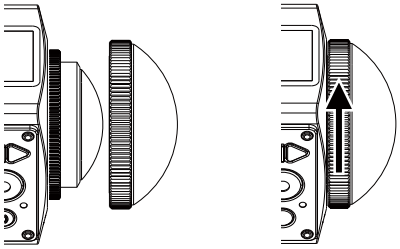
Removing lens cover:

Turn the lens cover according to the illustrated direction until it separates from the SP360 4K.



Mounting lens cover

Turn and firmly tighten the lens cover according to the illustrated direction.

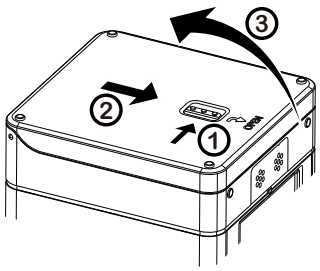


- Lens ring and lens cover cannot be used at the same time.
- The lens cover protects the lens from being damaged (dustproof, shockproof and splash proof). Using the lens cover will not influence the image and video quality.
- Before mounting the lens cover, make sure the lens surface is clean and dry. Always use a clean, lint-free dry cloth to clean the lens before shooting or recording so it will not affect the photo or video quality.
- When the SP360 4K is exposed to extreme temperature differences condensation may form inside of the lens cover. If this happens, remove the lens cover, clean it with a soft, dry, lint-free cloth, and then reinstall the lens cover.
- If the SP360 4K will not be used for a period of time, always put the protective cover on it. (as shown in the figure).

Installing Battery

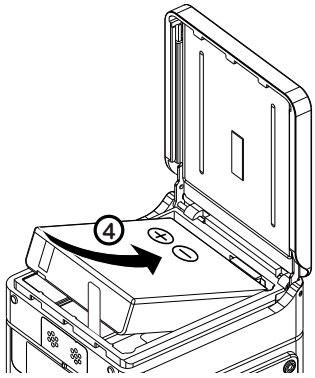
1. Open the battery cover

Push the battery cover lock along the direction of arrow ① , push the battery cover along the direction of arrow ② , and open the battery cover along the direction of arrow ③ .



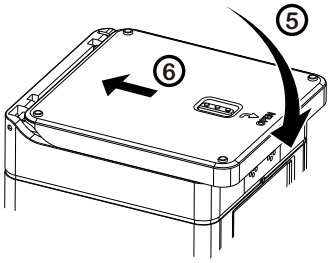
2. Insert the battery

Insert the battery into the battery compartment along the direction of arrow ④ (note the location of the + and - symbols)

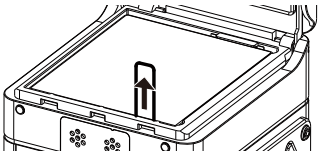


3. Close the battery cover

Cover the battery cover along the direction of arrow ⑤ . Close the battery cover along the direction of arrow ⑥ .

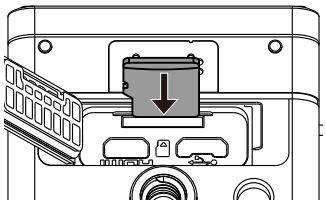


Gently pull the tape upward to remove the battery. When inserting the battery, please do not fold the tape underneath the battery.



Installing Memory Card

Open the side cover, then insert the memory card into the card slot (note the direction of the memory card gap), push the bottom end of the memory card with a fingertip into the slot completely, and then close the side cover.



A memory card (microSD / microSDHC / microSDXC) is optional and is not included in the product package. It needs to be purchased separately. Please use an original memory card, which is Class 10 or higher and has a capacity of 8GB to 128GB.

To remove your memory card, open the side cover, gently press the memory card to eject it and remove it carefully.

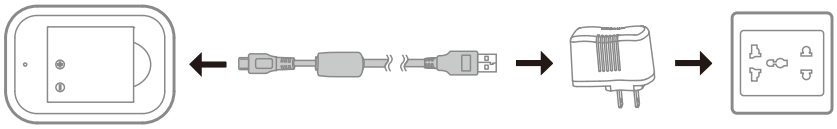
The product will automatically turn off if the memory card is inserted or extracted when the product is on.

Charging the Battery

Please use the battery charger or AC adapter to charge the battery in an ambient temperature ranging from 10 ˚C to 35 ˚C.

Charging the battery with a battery charger:

1. Place the battery into the battery charger according to the direction illustrated. Use the Micro USB cable to connect the battery charger and the AC adapter, and then plug the AC adapter into an electrical outlet.

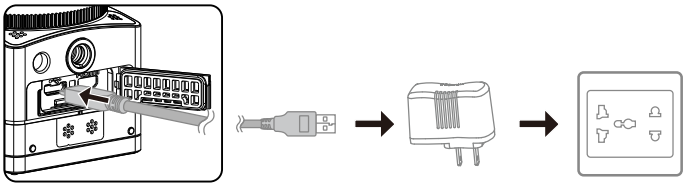


2. The indicator light will turn red while charging. The indicator light becomes green means charging is complete.

When charging the battery for the first time or after a long period of storage, please make sure that the charging time is no less than four hours.

Charging the camera with an AC adapter or an external power supply (vehicle power supply, portable power supply, etc.):

1. Place the battery into the camera.
2. While in shutdown mode, use the Micro USB cable to connect the camera to the AC adapter first, and then plug the AC adapter into the power outlet. Alternatively, use the Micro USB cable to connect the camera to an external power supply (vehicle power supply, portable power supply, etc.).

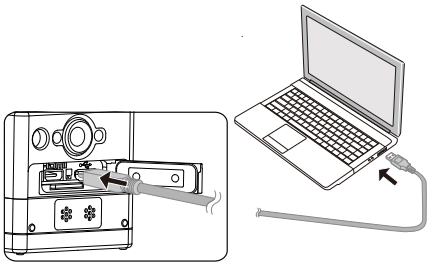


3. The indicator light will become orange while it is charging. The indicator will go out once charging is finished.

Charging will stop after pressing down the MODE button while charging.

Charging the camera with a computer:

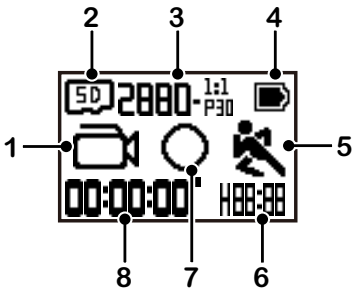
1. Place the battery into the camera.
2. Use the Micro USB cable to connect the camera (Off) to a computer (On).
3. The indicator light will become orange while it is charging. The indicator will go out once charging is finished.



Configuration and Operation

Main Interface Introduction

■ **The Main Interface**



1. Mode

   Movie mode

   Snap Shot Photo mode

   Loop recording mode

   1 / 2 / 5 / 10 / 30 / 60 Time Lapse mode

   High-speed movie mode

   Burst mode

2. SD Memory card

3. Movie size: 2880-1:1 P30 / 2048-1:1 P30 / 1440-1:1 P60 / 1440-1:1 P30 / 1072-1:1 P60 / 1072-1:1 P30 / 720-1:1 P120 / 4K-16:9 P30 / FHD-16:9 P60 / FHD-16:9 P30 / HD-16:9 P60 / HD-16:9 P30 / FWVGA-16:9 P60 / HD-16:9 P120 / FWVGA-16:9 P240

   Photo size: 8-M/4-M/2-M

4. Battery status

5. Motion detection (On)

6. Remaining recording time: H88:88 hh:mm / M88:88 mm:ss / --:-- none

   Number of remaining shots: +88888 :("+9999" will be displayed when it exceeds the maximum available display number) / ---- none

7. Display mode

   Global / Front

8. Recorded time / photos ("+9999" will be displayed when it exceeds the maximum available display number)

Power On / Off

■ **Power on:**

When the power is off, press and hold the button for more than one second to turn on the product.

■ **Power off:**

When the power is on, press and hold the button for more than one second to turn off the product.

If the product cannot be powered off normally, you can remove the battery from the camera to force it to power off.

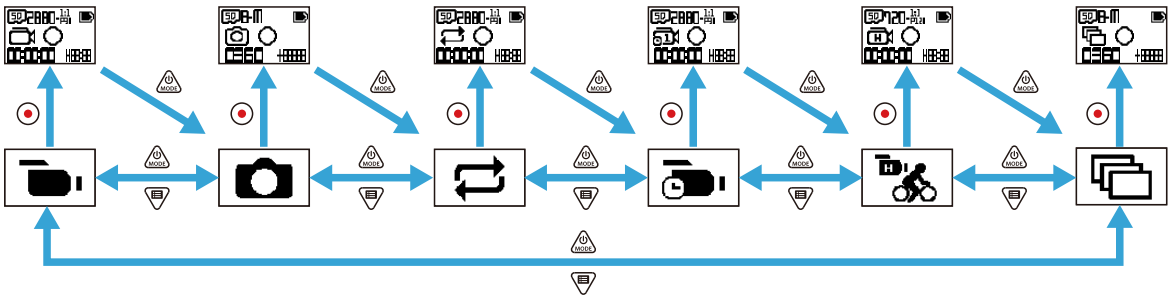
Start-up for language, date and time

1. Press and hold the button to turn on the product. When starting for the first time, the display will show the date and time setting screen, "Year Month Day Hour : Minute : Second".
2. The item to be adjusted will be highlighted with a black background color, press the or button to adjust the value, press the button to confirm.
3. After adjusting the "Minute" value, press the button to enter the main interface.

Modes Introduction

In the main interface, press the button to enter the mode selection interface. Press the or button to select any one mode; press the button to the main interface of the current mode.

6 modes are available: Movie mode , Snap shot photo mode , Loop recording mode , Time Lapse mode , High-speed movie mode , Burst mode .

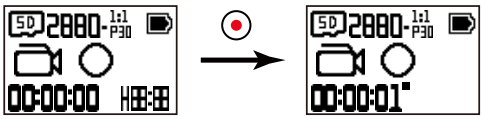


■ Movie mode

Enable video recording. It is suitable for recording in most conditions.

Operation method:

Press the button to start recording. Press the button again to stop recording.

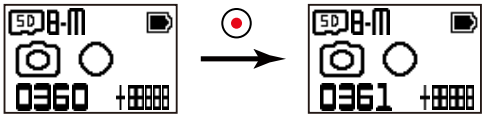


■ Snap Shot Photo mode

Enables photo shooting. It is suitable for recording in most conditions.

Operation method:

Press the button for photo.

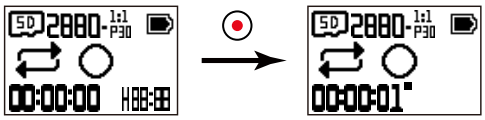


■ Loop recording mode

Loop recording refers to recording independent video segments in the unit of 2 minutes. The camera is only capable of saving a video of 60 minutes once maximally. If the recording at a time exceeds 60 minutes, the new video will automatically cover the earliest record in the folder in the unit of 2 minutes. The recording will be automatically stopped if the single recording time exceeds 24 hours.

Operation method:

Press the button to start recording. Press the button again to stop recording.



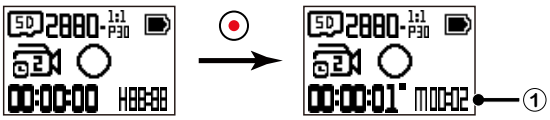
Please use memory cards of 8GB and above; otherwise, failure in recording may be caused due to insufficient capacity.

■ Time Lapse mode

Time Lapse enables the recording of an interval of time, and splices the frames together to present a condensed video, which usually requires a long period to complete.

Operation method:

Press the button to start recording. Press the button again to stop recording.



① indicates that the current countdown seconds

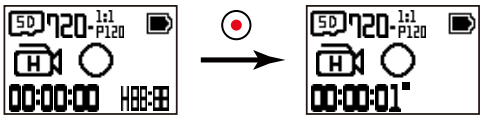
Sound cannot be recorded in this mode.

■ High-speed movie mode

The product shoots ultra-high speed movies, and plays back with normal 30fps speed

Operation method:

Press the button to start recording. Press the button again to stop recording.



■ Burst mode

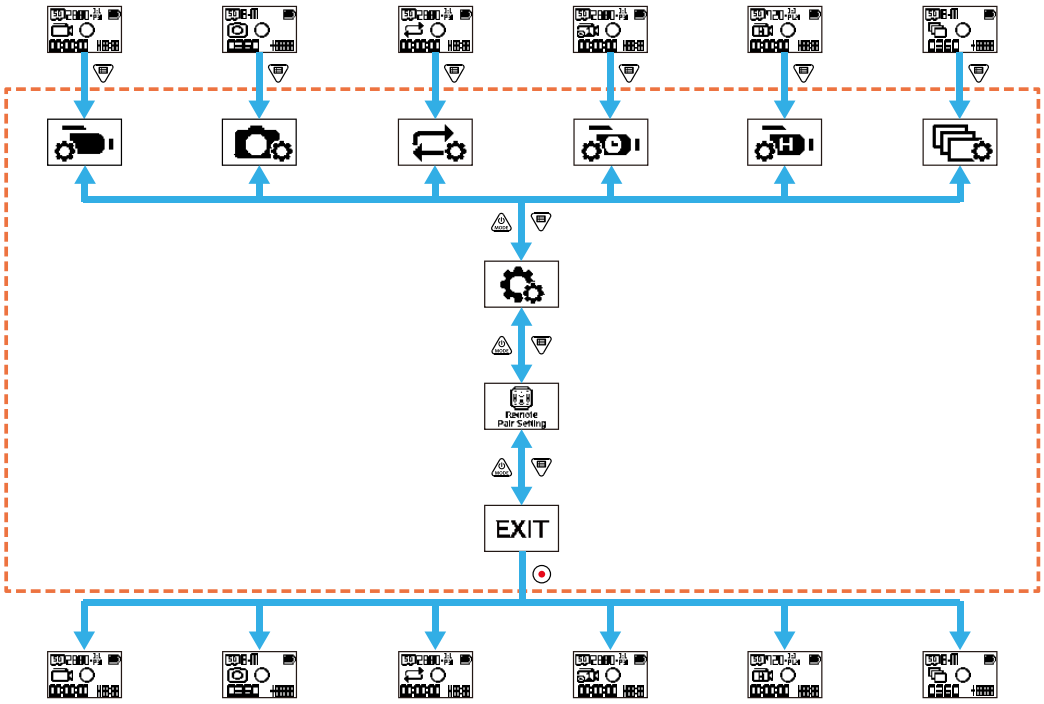
Enables ten photos to be captured continuously before auto pause.

Operation method:

Press the button; it will stop after 10 photos are taken.

Introducing the Menu

1. In the main interface, press the button to enter the first level menu interface. There are three items: Every Shooting Mode Settings (/ / / / /), General Settings, Remote Pair Settings. Press the or button to select the item, and press the button to enter the corresponding secondary level menu interface.



The first level menu interface

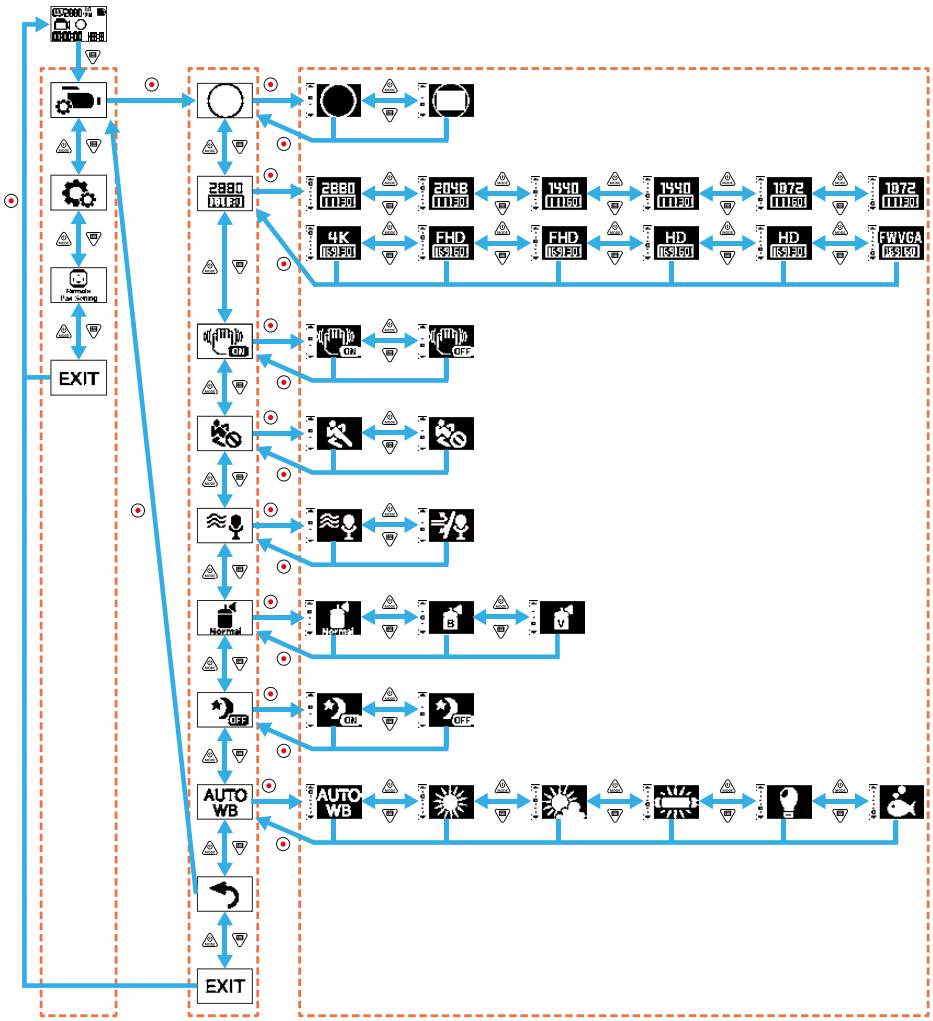
2. Press the or button to select the item; press the button to confirm and to enter the tertiary menu interface (highlighted with a black background color).
3. Press the or button to select the item; press the button to confirm and to back to the secondary level menu interface.
4. Select , press the button to return to the first level menu interface.
5. Select **EXIT**, press the button to return to the main interface.

Every Shooting Mode Settings / / / / /)

The secondary level menu in every shooting mode

The first level menu interface	Movie Settings	Loop Recording Settings	Time Lapse Settings	High-speed Movie Settings	Snap Shot Photo Settings	Burst Settings
The secondary level menu interface	2880 11:30 ON Normal ON AUTO WB EXIT	2880 11:30 ON ON AUTO WB EXIT	2880 11:30 1 AUTO WB EXIT	720 11:120 AUTO WB EXIT	8M Normal AUTO WB EXIT	8M Normal AUTO WB EXIT

Take the recording setting menu as an example; the setting operating manners of other shooting modes are the same as that of the recording setting menu.



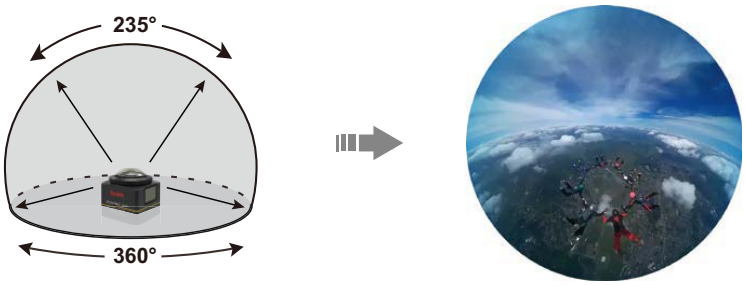
The first level The secondary level The tertiary

■ **Display mode**

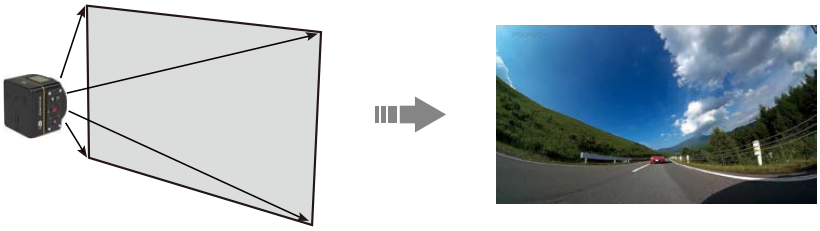
Set image storage form.

There are 2 options :

• Global



• Front



Movie size

Set video resolution.

There are 15 options :

- 2880×2880 (30fps)(1:1)
- 2048×2048 (30fps)(1:1)
- 1440×1440 (60fps)(1:1)
- 1440×1440 (30fps)(1:1)
- 1072×1072 (60fps)(1:1)
- 1072×1072 (30fps)(1:1)
- 3840×2160 (30fps)(16:9)
- 1920×1080 (60fps)(16:9)
- 1920×1080 (30fps)(16:9)
- 1280×720 (60fps)(16:9)
- 1280×720 (30fps)(16:9)
- 848×480 (60fps)(16:9)
- 720×720 (120fps)(1:1)
- 1280×720 (120fps)(16:9)
- 848×480 (240fps)(16:9)

The selectable options are different for different modes, please be subject to actual operations.

When the display mode is set to , only the options having the dimension scale 1: 1 are displayed; when the display mode is set to , only the options having the dimension scale 16: 9 are displayed;

EIS

Set electronic image stabilization function.

There are 2 options :

- Enable
- Off

Time Lapse

Set interval recording time.

There are 6 options :

- 1 second
- 2 seconds
- 5 seconds
- 10 seconds
- 30 seconds
- 60 seconds

Motion detection

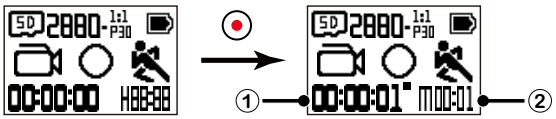
Motion detection means that if the product detects moving objects entering into the view, it will automatically start recording. During the recording process, if there is no moving object detected for 10 continuous seconds, the recording will pause automatically.

There are 2 options :

- Enable
- Off

Operation method:

1. Select , and return to the main interface.
2. The display will show the icon. Press the button to activate. If the product detects moving objects, it will automatically start recording.
3. The product will stop recording when there is no change in the image within 10 seconds. When the image changes again, the product will start recording automatically, and a new video file will be generated after each pause and restart.



① indicates the total time of recording
② indicates the total time from enable the Motion detection

4. Press the button again to stop recording and detecting.

Wind cut

Wind cut refers to the reduction of noise caused by wind.

There are 2 options :

- Enable
- Off

Color

Set image color.

There are 3 options :

- Normal
- Black and white
- Vivid

Night view

It can reduce the noise when you shoot at night if you enable this function.

There are 2 options :

- Enable
- Off

White balance

White balance means that the user adjusts the color temperature under different light sources to ensure that the colors are reproduced correctly.

There are 6 options :

- AUTO WB Auto white balance
- Daylight
- Cloudy
- Fluorescent
- Incandescent
- Underwater

When enable the night view function, white balance will be set as AUTO WB automatically.

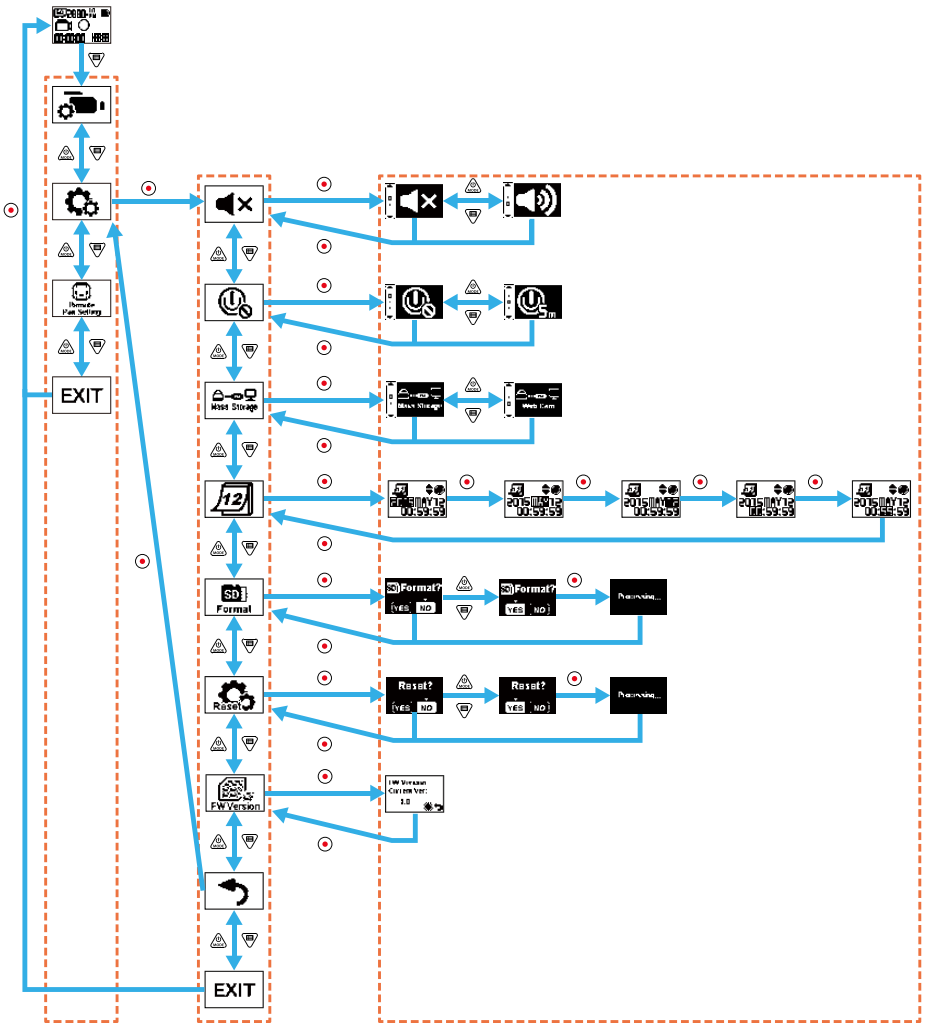
Photo size

Set photo resolution.

There are 3 options :

- 8M 2880×2880(1:1)
- 4M 2304×1728(4:3)
- 2M 1920×1080(16:9)

General Settings



Volume

Set the volume of the product.

There are 2 options :

- Enable
- Off

Power off

When this function is enabled, if there are no actions taken within a set time frame (except while recording or connected to Wi-Fi), the product will automatically shut down.

There are 2 options :

- 5 minutes
- Off

USB connection mode

The mode of connecting the Micro USB wire to the computer is set. If there is need to read or save videos, please select Mass Storage. If there is need to serve as a video chat (Skype) camera, please select Web Cam.

There are 2 options :

- Mass Storage
- Web cam

Date / Time

Set the date and time of the product.

1. The display shows the date and time setting screen, "Year Month Day Hour : Minute : Second";
2. The item to be adjusted will be highlighted with a black background color, press the MODE or button to adjust the value, press the button to confirm;
3. After adjusting the "Minute" value, press the button to enter the secondary level menu interface.

■ **Format**

Format can clear all data stored in the memory card.

There are 2 options :

• YES Confirm • NO Cancel

If select YES, press the button to start formatting, and return to the secondary level menu interface after finishing.

■ **Reset settings**

Reset settings can recover all product settings to the factory defaults (except for date and time).

There are 2 options :

• YES Confirm • NO Cancel

If select YES, press the button to start resetting, and return to the secondary level menu interface after finishing.

■ **FW version**

FW version can display the current version. Press the button to return to the secondary level menu interface.

When a new version is stored in the memory card, the firmware can be updated.

There are 2 options:

• YES Confirm • NO Cancel

If select YES, press the button to start updating, and the product will automatically shut down after finishing.

If the low battery warning is shown, charge the battery before updating the firmware.

Remote Pair Setting

A remote controller can be used for remotely controlling the camera at a long distance.

There are 2 options:

•

Remote off •

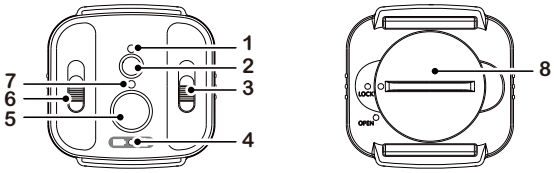
Single Control

Remote Controller

The remote controller is an optional accessory. If you need one, please contact the local retailer to buy separately or access www.kodakpixpro.com to check more customer service details.

You can wear the remote controller on the wrist to perform long-distance control on the camera by operating the remote controller.

Remote Controller Appearance Introduction



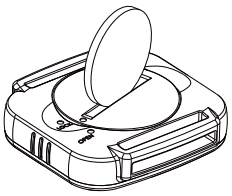
1. RF signal indicator lamp
2. RF signal test button
3. Mode switch
4. Battery/Bemory card indicator lamp
5. Recording button/Shooting button
6. Display mode switch
7. Shooting status indicator lamp
8. Battery cover

Specifications

Model: RR-BK01
Size: 47×48×13.7mm
Weight: 27g (battery included)
Water proofing: 5m
Fall prevention: 2m
Dust prevention: IP6X
Temperature: -10 to 40°C
Humidity: 0-90%
Battery: button battery CR2450
Effective remote control distance: 100m (without signal shielding interference)

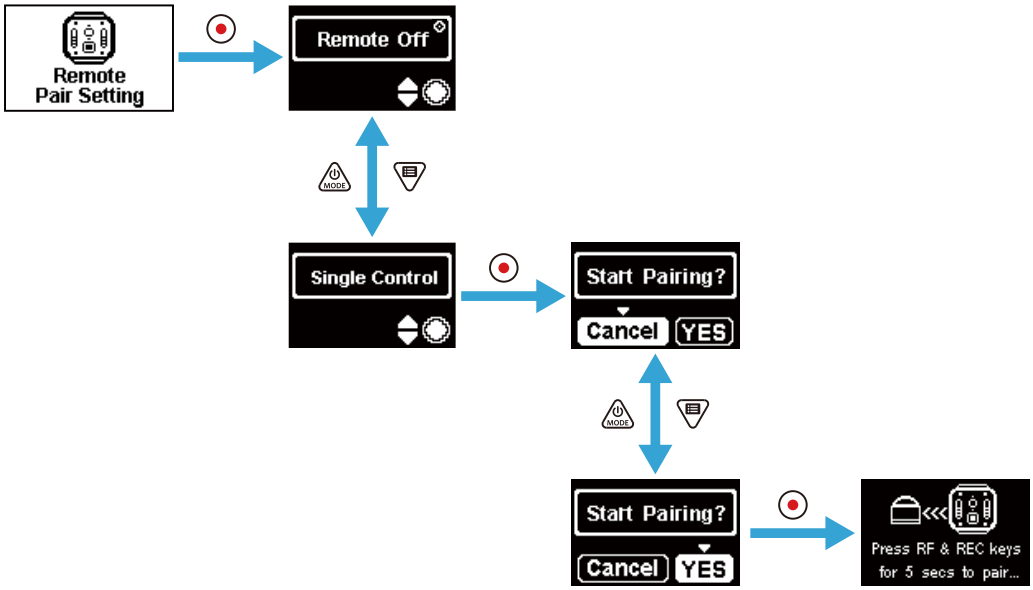
Install Battery:

The battery cover is turned by use of a coin to open, the battery is put in (the anode is upwards), and then the battery cover is turned reversely to close.



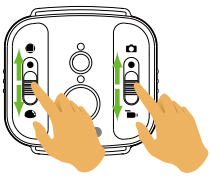
Use Method:

1. Press the button in the main interface of the camera, select Remote Pair Setting, press the button to select "Single Control", and then press the YES button to enter a pairing confirmation interface, and finally select and press the button to confirm.



2. Simultaneously long press the buttons and on the remote controller until pairing is successful.

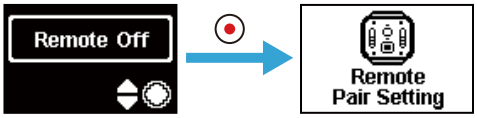
3. Set the desired shooting mode (recording mode or shooting mode) and the display mode (spherical or square).



Other parameters are set as the current same modes of the camera.

4. Press the button on the remote controller to shoot or start recording, and press the button again to stop recording.

5. To terminate remote control, just press the button in the Remote Off interface.



When appears on the interface,

indicates that the camera is out of control of the remote controller at the moment.

indicates that the camera is under the control of one remote controller at the moment.

In case of successful pairing between the camera and the remote controller (the camera is capable of memorizing the remote controller paired successfully last time):

1. If the camera is turned off, the camera is turned on to automatically start recording by pressing and holding the button.
2. The camera is turned on or whether the remote controller is paired successfully is tested by short pressing the button. The camera will be turned off by pressing and holding the button (more than 1.5 seconds).
3. When the button on the camera is pressed to start recording, the button on the remote controller is pressed to synchronize the signals of the camera and the remote controller. Then, the button on the camera is pressed again to stop recording.
4. When the button on the remote controller is pressed to start recording or shooting, the camera functions in recording or shooting according to the current setting of the remote controller.

Indicator lamp status description:

1. If pairing succeeds, the RF signal indicator lamp turns to green.
2. If pairing fails, the RF signal indicator lamp turns to red.
3. During remotely controlled recording or shooting, the shooting status indicator lamp turns to orange.
4. When the electric quantity of the battery of the camera is less than 25% or the memory card is full, the battery/memory card indicator lamp turns to red.

RF connection will be automatically interrupted if the Wi-Fi (NFC), HDMI connection or computer connection of the camera are on.

If the Wi-Fi (NFC), HDMI connection or computer connection of the camera are already on, the RF function is unavailable.

Using Interfacing

Micro USB interface

Charging

14

Using an external power supply

In case of low battery power, or when a long-term power supply is needed, an external power supply (AC adapter, vehicle power supply, portable power supply or other power unit) can be used instead of a battery. At this time, the setting of functions, photography, and other operations can be performed.

When powered on, use the Micro USB cable to connect the camera to an external power supply. When connected with an external power supply, "" will be displayed on the LCD.

When powered off, use the Micro USB cable to connect the camera to the external power supply. Press and hold the MODE button to power on. When connected to an external power supply, "" will be displayed on the LCD.

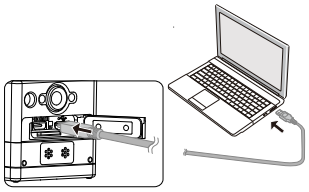
Requirements for the external power supply: output power of 5 V, output current of 1 A.

Insert the battery into the camera before using an external power supply to charge.

Data transmission

Use the Micro USB cable to connect the camera to a computer and copy files from the camera to the computer.
The steps are as follows:

1. Set the USB connection mode as Mass Storage in the camera menu.
2. Use the Micro USB cable to connect a computer (On) to the camera (On). During the connection, the camera will display " Mass Storage ", and the computer will automatically detect the camera.

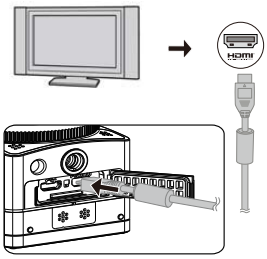


3. Open the camera folder on the computer to copy your files to the computer. After the transmission is completed, please unplug the USB cable in a safe manner according to the computer's settings.
4. The camera will automatically shut down when the Micro USB cable is unplugged.

Your computer operating system version needs to be Mac OS X10.7 and above or Window 7 and above.

Micro HDMI interface

The television (on) up to the HDMI standard and the camera (on) are connected by use of a Micro HDMI wire (bought independently).



After the connection succeeds, the documents in the memory cards of the camera are displayed on the television, while HDMI Playback is displayed on the camera.

The shooting and playback functions can be realized by use of the camera:

1. Press the button to switch between the video playback mode, the photo playback mode and the shooting mode.
2. Press the MODE or button to browse the documents in the playback modes.
3. Press the button to start playing and press the button again to pause playing while playing back the recording documents.
4. Set parameters according to requirements in the menu firstly in the shooting mode, and then return to the main screen, press the button to shoot or start recording, and press the button again to stop recording.

The playback function can be realized by use of the television remote controller:

1. Press the left and right keys to switch the documents.
2. Press to switch the video document and the photo .
3. Press to hide or display the screen information.
4. For browsing the video document, press the central key to start playing, press the left key to fast reverse, press the right key to fast forward, and press the central key again to pause playing.
5. Press to delete the current document and select to confirm deletion.
6. Press to stop playing.

Only the HDMI television having the CEC (Consumer Electronics Control) function supports the function.

Wi-Fi Mode

Download and Install App

●Smart Device:

Download the App installation package (App name: PIXPRO SP360 4K) to your smart device from the path below, and install it by following the instructions on the interface.

For Android devices, search and download the App "PIXPRO SP360 4K" in Google play, and install it by following the instructions on the interface.

For iOS devices, search and download the App "PIXPRO SP360 4K" in App Store, and install it by following the instructions on the interface.

●PC:

Download Application "PIXPRO SP360 4K" (for PC) installation package from the official website, and install it on your computer by following the prompts on the interface.

Americas

http://kodakpixpro.com/Americas/support/downloads.php

Europe

http://kodakpixpro.com/Europe/support/downloads.php

Please review the following items before your first connection:

1. Please do not use in places having high intensity magnetic field, electrostatic and electric wave interference (for example near a microwave oven), which may cause failure in receiving signals.
2. Please do not use Wi-Fi or NFC connection functionality on a plane.
3. To maintain in connection, please keep SP360 4K within 20 meters (65 feet) without signal shielding interference.
4. SP360 4K and the smart device can only be connected one to one.
5. SP360 4K and PC only can be connected one to one.
6. Your smart device operating system version needs to be iOS 7 or higher, or Android 4.2 or higher.
7. Your computer operating system version needs to be Mac OS X10.8 and above or Window 7 and above.

Connect camera to smart device (or PC) with Wi-Fi.

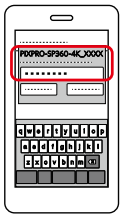
Operation method:

1. Camera :

   Check SSID (Service Set Identifier) (PIXPRO-SP360-4K_XXXX) and password (initial password: 12345678) indicated on the label in the battery compartment of the camera. Press the button to enable Wi-Fi mode. The camera will enter the waiting for connection interface one second later :

2. Smart Device or PC:

   Enable Wi-Fi mode, it will automatically search the nearby Wi-Fi hotspots. Select the one with the same SSID (PIXPRO-SP360-4K_XXXX) and input the password.



3. Camera:

   When the Wi-Fi connection is successful, enter the Wi-Fi connection interface.

4. Smart Device or PC:

   When connected via Wi-Fi, you can tap the App icon on the smart device to start it; or double-click the App icon on the desktop of the computer to start it.

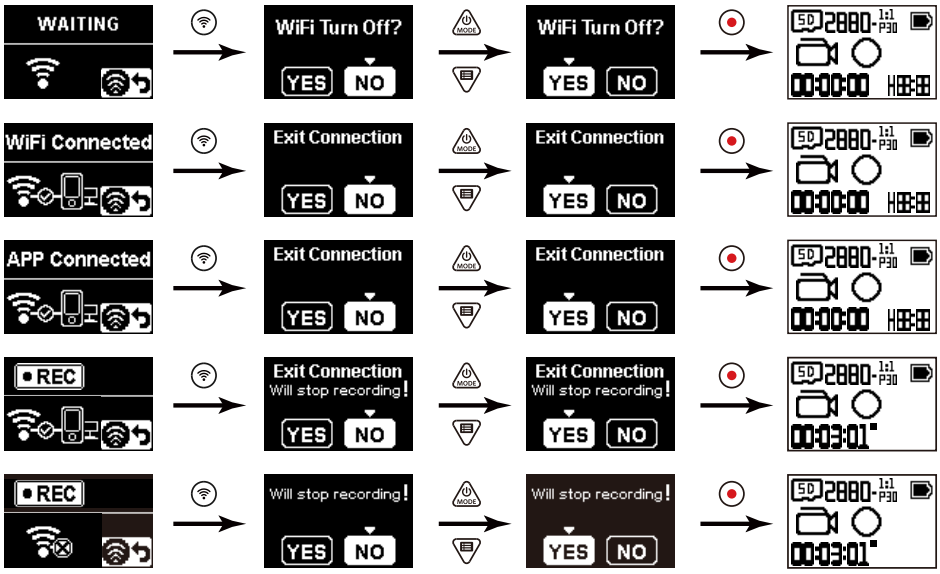
5. Camera:

   When the App is connected to the camera, the App connected interface will appear.

   When recording is started via the App, the recording interface will appear on the camera.

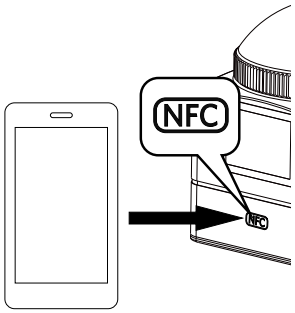
If the Wi-Fi connection is cut off while recording, the camera will continue to record and enter the connectionless recording interface.

When displays in the interface, press the button, and press the or button to select **YES**, and then press the button to exit the Wi-Fi connection.



Connect camera to smart device with NFC

1. Enable NFC mode on your smart device.
2. Use your smart device to lightly touch the NFC mark on the camera. If the smart device has a prompt tone or vibration, it means the connection is successful.



3. The App will open automatically on your smart device.

The NFC feature will only be available when your smart device's screen is unlocked.

Appendices

Specifications

Design and specifications are subject to change without notice.

Image Sensor	Type	1/2.3" BIS CMOS
	Effective Pixels	12.40 Megapixels
	Total Pixels	12.76 Megapixels
Lens	Focal Length	0.850mm
	Equivalent to 35mm film	8.20mm
	F number	F2.8
	Lens Construction	7 groups 9 elements
	Optical Zoom	Fix Focus, 235 Degree (without lens cover)
	Focusing Range	50cm~∞
Anti-Handshake	Electronic Image Stabilization	
Number of Recording Pixels	Photo size	8M : 2880×2880(1:1) 4M : 2304×1728(4:3) 2M : 1920×1080(16:9)
	Movie size	2880×2880(30fps) 2048×2048(30fps) 1440×1440(60fps/30fps) 1072×1072(60fps/30fps) 4k(3840×2160)(30fps) 1920×1080(60fps/30fps) 1280×720(60fps/30fps) 848×480(60fps) High-speed Movie : 720×720(120fps) 1280×480(120fps) 848×480(240fps)

File Format	Photo	Exif 2.3 (JPEG)
	Movie	MP4 [Image: H.264; Audio: AAC(Stereo)]
Modes	Movie, Snap Shot Photo, Loop Recording, Time Lapse, Burst, High-speed Movie	
Splash proof	Equivalent to JIS/IEC IPX5 (Body)	
Shockproof	Up to 2m (with lens cover)	
Dustproof	Equivalent to JIS/IEC (IP6X)	
Freeze-proofing	-10°C	
LCD	1.0 inch TN LCD	
Level Gauge	2-axis	
ISO Sensitivity	Auto (100~800)	
Exposure Metering Method	Artificial Intelligence AE (AiAE)	
Exposure Control Method	Program AE	
Burst	Supported	
White balance	Auto white balance, Daylight, Cloudy, Fluorescent, Incandescent, Underwater	
Recording Media	Internal Memory: No	
	microSD / microSDHC / microSDXC Card (Up to 128GB Support) [MMC Card Not Supported]	
Language	English	
Interface	USB 2.0 (Micro 5 pin USB) , HDMI (Type D)	
Wi-Fi	Supported (802.11b/g/n)	
NFC	Supported	
Remote Viewfinder	Supported (via smart device)	
RF Remote Control	Supported	

Power	Rechargeable Li-ion Battery LB-080, 3.6V 1250mAh, In-Camera Charging
Shooting Capability (Battery Performance)	Approx. 160 shots (Based on CIPA Standards) (Wi-Fi on) Approx. 55 minutes for Video (@4K/30fps) (Wi-Fi on)
Operation Environment	Temperature: -10 ~ 40°C, Humidity: 0 ~ 90%
Dimensions (W×H×D)	Approx.46.5×50.0×53.0 mm (Without lens cover) (Based on CIPA Standards)
Weight	Approx. 100g (Body Only)

Prompts and Warning Messages

Message	Description	Processing mode
MAX 999	■ There are too many files, which may cause a delay to power on. ■ When pressing the ● button for shooting, the memory card cannot be accessed because there are too many folders.	■ After copying the files to the computer, choose to delete or format.
No Card	■ No memory card is detected in the camera.	■ Insert the memory card.
SD Full	■ When turning on the product or pressing the ● button, the product detects that the memory card is out of capacity.	■ After copying the files to the computer, choose to delete or format.
SD Error	■ The memory card still cannot be recognized after format. ■ An error occurs when reading the memory card. ■ Interruption is encountered during shooting or recording so it cannot be shooting or recording any further.	■ Format the memory card.
SD Slow	■ When the writing speed is too slow, recording will not continue.	■ Please select a Class 10 memory card or above.
Processing...	■ File processing (saving, formatting, etc.) time exceeds 2 seconds.	■ User should do nothing.
Connecting...	■ Connecting to the computer or TV.	■ The display will disappear after connection is successful.

Message	Description	Processing mode
Mass Storage	■ The camera is set as "Mass Storage", connecting to the computer USB.	■ User should do nothing.
Web Cam	■ The camera is set as "Web Cam", connecting to the HDMI device.	■ User should do nothing.
HDMI Playback	■ Connecting to the HDMI device.	■ User should do nothing.
	■ A warning for low battery before shutting down automatically. ■ The firmware cannot be updated when power is insufficient.	■ Charge or replace with a new battery.
Updating...	■ Updating firmware.	■ User should do nothing. The product will turn off automatically after the update is completed.
	■ The product will automatically shut down when the battery temperature becomes too high.	■ Remove the battery carefully when the product is shut down. The battery will be good to use again after cooling down.

Trouble Shooting

Problem	Possible causes	Solution
Product does not turn on	■ The battery has been depleted. ■ The battery is installed incorrectly.	■ Charge the battery. ■ Please follow the charging instructions in the manual to install the battery.
Blurred images	■ There is dirt on the lens or the lens cover.	■ Clean with a clean, lint-free dry cloth.
Failed to connect Wi-Fi	■ Wrong password entered.	■ Please re-enter the password. If you have forgotten the changed password, you can use the reset function to restore the password (initial password: 12345678)
Slow Wi-Fi connection	■ There are too many programs running simultaneously on the smart device.	■ Please close other unnecessary programs running on the smart device.
Micro USB connection failure.	■ Choose the wrong USB connection mode	■ Confirm the USB connection mode set in the menu. If there is need to read or save videos, please select Mass Storage. If there is need to serve as a video chat (Skype) camera, please select Web Cam.

Special Accessories

There are different options of SP360 4K accessories available. Accessory bundles vary per retailer. To purchase additional accessories separately, please contact your local retailer customer service support, or visit www.kodakpixpro.com for more customer service details.

⚠ Taking the status of using the lens collar as an example in the introduction of the section, you can select to use the lens cover according to the actual use conditions (for instance, if stronger waterproof and dustproof properties are required).

⚠ Before using (especially in water or strenuous activity), please pay attention to make sure the product is tightly secured to prevent damage or loss of the product.

⚠ Please ensure that the adhesive surface is clean before using double-sided adhesive accessories. Dirt, grease, or other foreign matter will reduce the effectiveness of the double-sided adhesive. The double-sided adhesive is not easy to remove after sticking. Please take into account the position and angle of sticking before doing it.

⚠ After fully assembling the accessories, please make sure the screw is in the proper position and fully secure.

Standard Housing: For use with other accessories when waterproofing is not required

Installation method:

1. Firstly, the fixed box is pulled open from the bottom and then sleeves the camera.

2. Install the holder on the accessories , and use the setscrew to tighten.

Waterproof Housing: For use with other accessories underwater, in rain, on the seashore, or in other circumstances where waterproofing is required

Installation method:

1. Remove the camera's lens cover, place the camera and anti-fog inserts into the waterproof housing.

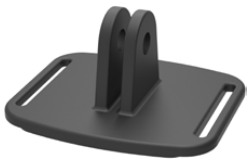
2. Press the lock downward until it locks tightly. Install the waterproof housing on the other accessories, and use the set screw to tighten.

Before using the camera in a wet environment, please be sure to put it inside the waterproof housing first. Also, it should not be submerged to a depth greater than 60 m (196 feet) underwater.

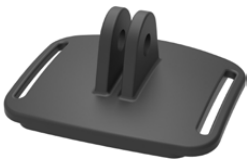
Anti-fog inserts absorb moisture. Please make sure it is dry before use (heat it in a 150°C oven for around 5 minutes). Each anti-fog insert can be reused up to 4 times.

Before opening the waterproof box, the switch on the lock catch needs to be opened according to the arrow direction firstly.

Flat Adhesive Mount: For tacking onto a skateboard or other flat objects



Curved Adhesive Mount: For tacking onto a helmet or other curved objects



Installation method:

There are two types of adhesive mounts: flat and curved. You may select based on the shape of the object to be used.

Both types can be assembled in the same way:

1. Assemble the standard housing (or the waterproof housing).
2. Fasten the standard housing (or the waterproof housing), install adhesive mounts according to the diagram, and use the setscrew to tighten.

3. Tack the double-sided adhesive at the bottom of the adhesive mount to the object to be used.

The double-sided adhesive is disposable. It should be replaced by a new one after being peeled off.

Bar Mount: For mounting on bicycle handlebars, sailing masts, and other tube-like objects

Installation method:

1. Set the bar clamp to the handlebar and rotate the screws to tighten.

2. Assemble the standard housing (or the waterproof housing).
3. Assemble the standard housing (or the waterproof housing) and bar clamp in accordance with the direction illustrated in the picture, and use the setscrew to tighten.

Suction Cup Mount: For attachment to automotive windshields (or smooth surfaces)

Installation method:

1. Assemble the standard housing (or the waterproof housing).
2. Assemble the standard housing (or the waterproof housing), the adapter, pre-tightening nut and suction mount in accordance with the direction illustrated in the picture, and tighten the pre-tightening nut.

3. First, clean the suction mount and the windshield before attaching the suction cup to the windshield. Press down the handle to attach it to the windshield.

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