KODAK PIXPRO ORBIT360 4K/4KVR360

VR CAMERA

User Manual

Before You Start

Declaration of Conformity

Responsible Party: JK Imaging Ltd.

Address: JK Imaging Ltd., 17239 So. Main Street, Gardena, CA 90248 USA

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

Company Website: kodakpixpro.com

About this Manual

Thank you for purchasing this KODAK PIXPRO 360º VR Camera. Please read this manual carefully and keep it in a safe place for future reference.

- JK Imaging 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.
- 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 360º VR CAMERA. Every effort has been made to ensure that the contents of this manual are accurate; however JK Imaging reserves the right to make changes without notice.
- Throughout this manual," " indicates useful information, " page number" indicates an introduction to contents on the specified 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 has been 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. 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 area of separation between the equipment and receiver
- Connect the equipment into an outlet on a different circuit from that to which the receiver is connected
- Consult an experienced radio/TV technician for advice or 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 should not be co-located or operated 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 the intended operation as described in this manual. Further reduction of RF exposure can be achieved if the product is kept as far away as possible from the user’s body or by setting the device to lower power output if such functionality is available.

Canadian Industry Statement:

This device complies with ISED’s licence-exempt RSS’s. 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:

This product complies with the Canadian portable RF exposure limit set forth for an uncontrolled environment and is safe for intended operation as described in this manual. Further reduction of RF exposure of can be achieved if the product is kept as far away as possible from the user’s body or by setting the device to lower power output if such functionality is available.

For Customers in Europe

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

CE The "CE" mark indicates that this product complies with 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 RED Directive 2014/53/EU. The following test methods have been applied in order to prove presumption of conformity with the essential requirements of the RED Directive 2014/53/EU:

- 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)
- EN 300 330-1 V2.1.1:2017

  Electromagnetic compatibility and Radio Spectrum Matters (ERM); Short Range Devices (SRD); Radio equipment in the frequency range of 9 KHz to 25 MHz and inductive loop systems in the frequency range 9 KHz to 30 MHz
- EN 300 328 V2.1.1 (2016-11)

  Wideband transmission systems; Data transmission equipment operating in the 2.4 GHz ISM band and using wide band modulation techniques
- 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

Sintai Optical (Shenzhen) Co., Ltd., declares that this [KODAK PIXPRO 4KVR360 and BLUETOOTH Remote] is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

Manufacturer: Sintai Optical (Shenzhen) Co., Ltd.

Address: Qiwei Ind Sec, 1st, 2nd,& 3rd Bldg, Lisonglang Village, Gongming Town, Bao'an District, Shenzhen, Guangdong, China

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

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

SAR Statement

A minimum separation distance of zero cm must be maintained between the user's body and the device, including the antenna during body-worn operation to comply with the RF exposure requirements in Europe.

To comply with the RF Exposure requirements or limitations in Europe, third-party belt-clips, holsters or similar accessories used with this device should not contain any metallic components. The use of accessories that do not satisfy these requirements may not comply with RF exposure requirements or limitations and should be avoided.

Safety Notes

Product Notes:

- Do not disassemble or attempt to repair this product by yourself.
- Do not handle this product improperly. This product may be damaged or permanently broken if dropped, punctured or crushed.
- Avoid directly touching the lens elements. Please use a professional soft lens cleaning cloth together with a gentle lens cleaning agent to wipe and clean the camera lenses for optimal performance.
- Do not use corrosive, alcoholic or organic solvent containing agents to clean this product.
- Do not use or store this product in high temperature environments.
- Do not expose the lenses to strong light sources (e.g. direct sunlight, etc.) for extended periods of time.
- Do not use or store the product in a strong magnetic field environment.
- If the product is quickly transferred from a low temperature to a higher temperature environment, water condensation may occur inside the product due to physical changes. In this case, it is recommended to wait until the product returns to normal room temperature before you turn it on again to operate.
- 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.
- Keep the product in a dry and clean environment when you are going to store the product for long periods of time.
- Due to the characteristics of the electronic elements inside the camera, the temperature of the camera will increase (heat will be emitted) in the process of use. Even though the temperature could be relatively high and heat is emitted from the surface of the camera, the camera is capable of shooting continuously and operating properly. When the camera detects that the temperature of the camera body is within certain limitations it will power off automatically.
- In case of powering off due to increased temperature limitations, the camera can be powered on again for use after its temperature cools and returns to normal.

Battery Notes:

- Please use the included Li-ion battery or replacement battery that is the same type as the one included.
- If the battery overheats during charging or using, stop charging or using immediately. Turn the camera off, carefully remove the battery and wait until it cools down completely.
- Please keep the battery contacts clean and dry.
- Install the battery according to the positive and negative marks on the camera's battery compartment. Never force it into the battery compartment.
- If battery fluid leaks into the product, please contact our customer service center immediately. If battery fluid leaks onto your skin, rinse the area immediately with clean water and seek immediate 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 come 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 to avoid serious injury or a possible explosion.
- Remove the battery if the camera will be stored for a long period of time.
- Do not store the battery in high temperature environments.
- Using the battery in cold environments will result in much lower camera performance.
- Do not attempt to disassemble the battery by yourself.
- Please dispose of the battery properly and according to your local laws and regulations (national or regional).

Memory Card Notes:

- The memory card referred to in this user manual is a microSD card, microSDHC card or microSDXC card, class 10 or higher.
- 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 camera's card slot. Never force the memory card into the card slot.
- Before using any brand new memory card, please format the memory card first.
- A photo or video taken with the product will be stored in a 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 recognized during normal playback.
- Directly editing the data on the memory card is not recommended. Always copy the data to your computer first before editing.
- Turn the product off before removing the memory card, otherwise the memory card or files could be damaged permanently and files/folders could be permanently lost.
- When the camera is stored for a long period of time, please backup the data on the memory card and remove the memory card from the camera.

Other Notes:

- Do not disconnect the power or turn the product off during the 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 and Federal regulations.
- Due to the limitations of manufacturing technology, the camera's LCD may have a few dead or bright pixels. This is completely normal and these pixels do not affect the quality of the photos or videos taken with this camera.
- If the LCD screen is damaged, please pay close attention to the liquid crystal phosphor inside 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 clean, dry cloth, thoroughly wash with soap and rinse with plenty of clean water.
  2. If liquid crystal gets into your eye, flush your eye immediately with plenty of clean water for at least 15 minutes. Please seek immediate medical assistance.
  3. If liquid crystal is accidentally swallowed, rinse your mouth immediately with clean water and try to induce vomiting. Please seek immediate medical assistance.

Waterproof Notes:

- This product is splash proof for the purpose of daily activities. Before use, please make sure to fully lock the battery cover to ensure a complete seal.
- Any scratches, cracks or small foreign objects (such as sand or hair) attached to the rubber ring inside of the battery cover will affect the efficiency of the splash proof function. Before use, please check whether the waterproof rubber ring is damaged or contaminated with a foreign object before closing the battery cover door. When there is a foreign object on the waterproof rubber ring and its adjacent surfaces, please use a clean, lint-free, dry cloth to clean it. If there are any scratches or cracks, contact our service center immediately for maintenance or obtain a replacement waterproof rubber ring.
- Do not directly open the battery cover door when the product is accidentally exposed to water. Please turn off the camera's power and thoroughly wipe it with a clean, dry, lint-free cloth before opening the battery cover door in order to remove the battery and the memory card.
- When opening the battery cover door, if there are water droplets on the surfaces located between the interior of the camera and the camera body, please make sure to fully wipe and dry them off.
- After using the product in the presence of sand, mud or other foreign matter, please carefully rinse it with clean water (fully close the battery cover door tightly before rinsing). After rinsing, wipe the camera with a clean, dry, lint-free cloth.

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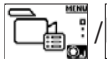
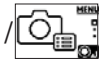
  - All Shooting Mode Settings ( /  / /) 21

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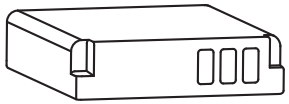
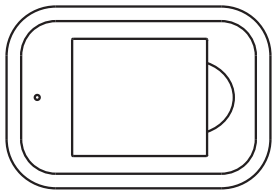
Standard Parts and Accessories Included:

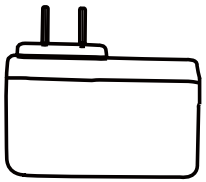
Your product packaging should contain the camera you purchased along with the following standard parts and accessories. If anything is missing or appears to be damaged, please contact our customer service center. (The AC Adapter style will vary according to the power requirements from different countries or regions. Pictures below are for reference only):



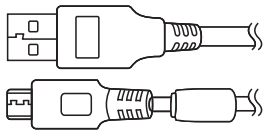
Rechargeable Li-ion Battery



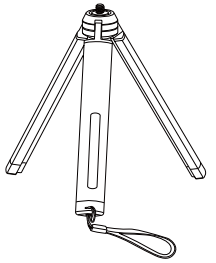
Battery Charger



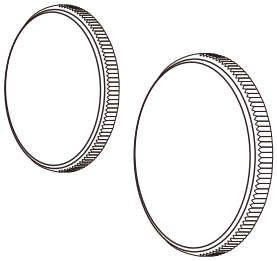
AC Adapter



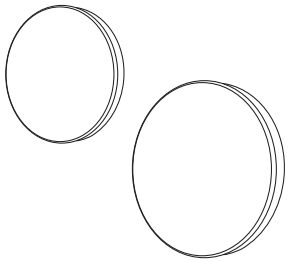
Micro USB Cable



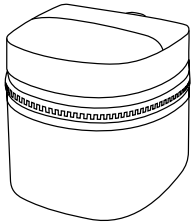
Small 3-Leg Stand-B



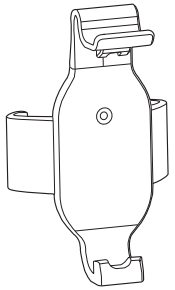
Lens Covers
(B-Small / C-Large)



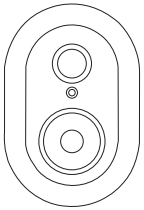
Protective Covers
(B-Small / C-Large)



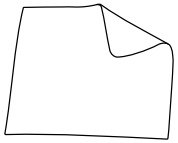
Carrying Case



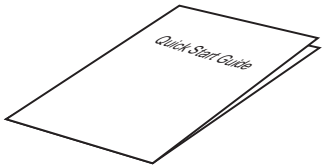
Remote Control
Mount-B



BLUETOOTH Mini
Remote Control-D



Cleaning Cloth



Quick Start Guide

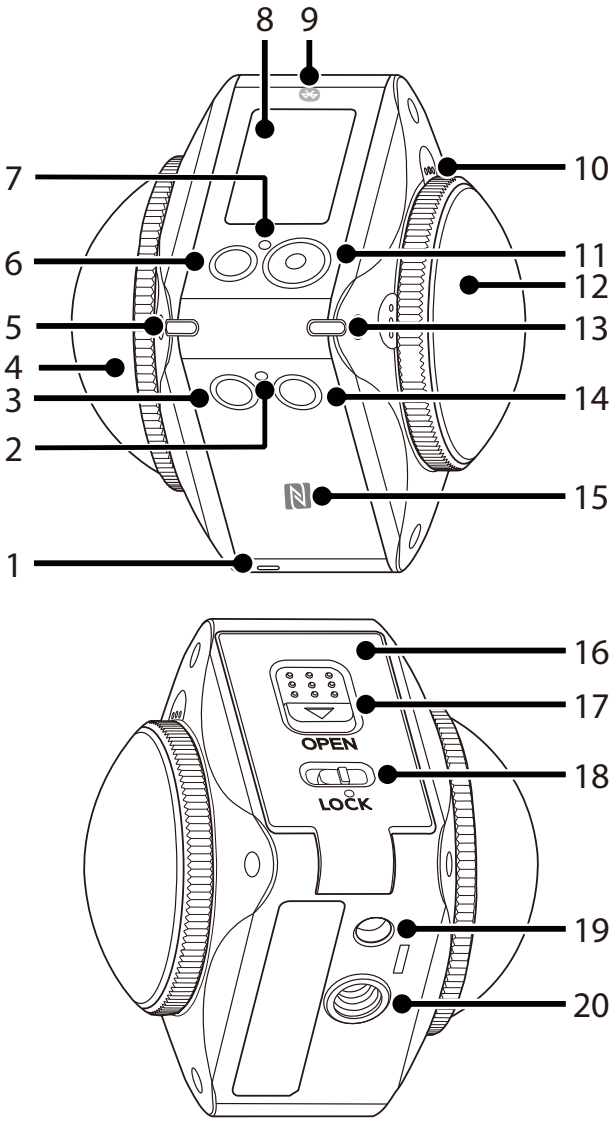
Warranty Card

Service Card

Online Company
Store Card

Team 360
Sticker

Camera Part Names

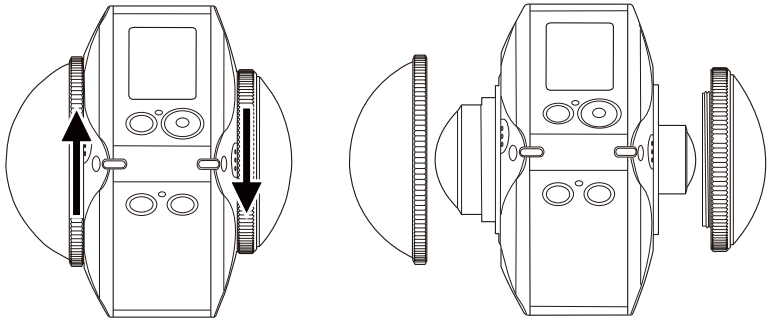


1	Speaker
2	Wi-Fi Indicator
3	Wi-Fi Button / Direction Button (down) / Remote Control Pairing (press and hold)
4	Lens B (235 Degrees)
5	Lens Status Indicator B
6	Power Button
7	Status Indicator
8	LCD
9	BLUETOOTH Logo / Mark
10	Exterior Microphone (Stereo)
11	Video Recording Button / Photo Shooting Button / OK Button
12	Lens A (155 Degrees)
13	Lens Status Indicator A
14	Menu Button / Direction Button (up) / Mode Switching (press and hold)
15	NFC Logo / Mark
16	Battery Cover Door
17	Battery Cover Open Toggle Switch
18	Battery Cover Door Lock
19	Positioning Mount Receptor
20	1/4" Screw Socket

Mounting / Removing Lens Covers:

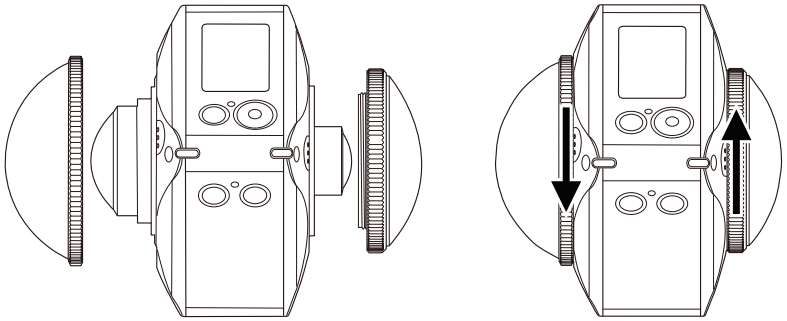
Removing lens covers:

Turn the clear, protective lens cover counter clockwise following the illustrations below until it separates from the ORBIT360 4K/4KVR360.



Attaching lens covers:

Turn the lens covers clockwise and firmly tighten the lens covers as illustrated below.



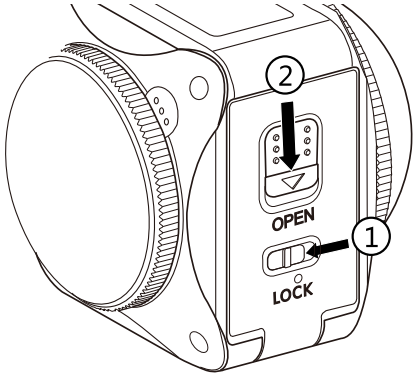
The lens covers protect the camera's glass lenses from being permanently damaged and are dustproof, shockproof and splash proof. Using the lens covers when taking a photo/shooting a video will not affect the photo image/video quality. Keeping the clear, prootective lens covers on the ORBIT360 4K/4KVR360 is essential to being able to use the internal stitch feature of the camera. If you do not use the clear lens covers, you will not be able to stitch photo/videos and render files for sharing.

Before mounting the clear lens covers, make sure the permanent glass lens surfaces are clean and dry. Always use a clean, lint-free, dry cloth to clean the camera's lenses before shooting or recording so any foreign particles it will not affect the photo or video quality.

When the ORBIT360 4K/4KVR360 is exposed to extreme temperature differences, condensation may form inside the camera's lens covers. If this happens, remove the lens covers, clean with a soft, dry, lint-free cloth and reinstall the lens covers.

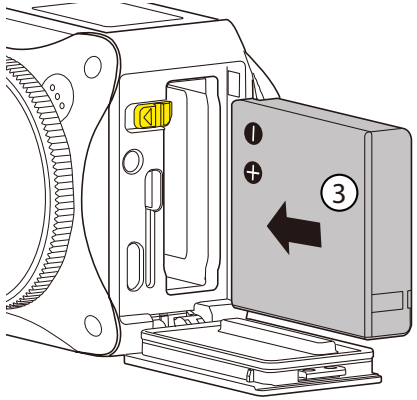
If the ORBIT360 4K/4KVR360 will not be used for a long period of time or during transportation, always put the black rubber protective covers on (as shown in the image below):

Installing the Battery:



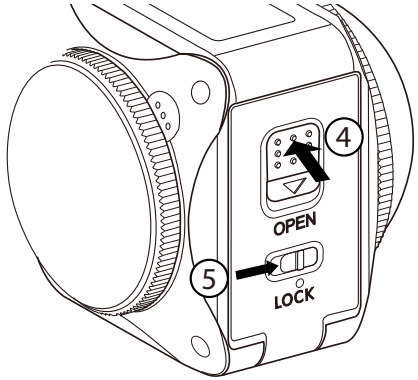
1. Open the Battery Cover Door

   Slide the battery cover lock to the left ① , then slide the open switch of the battery cover door downward ② .



2. Insert the Battery

   Insert the Li-ion battery into the battery compartment in the direction of the arrow ③ (note the location of the + and - symbols).

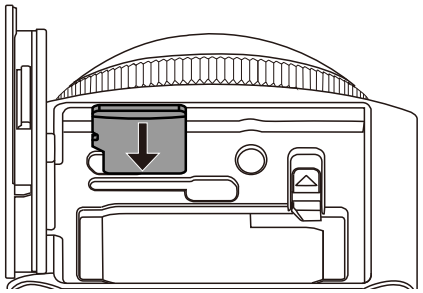


3. Close the Battery Cover Door

   Close the battery cover door until your hear a “click” to indicate the door is fully and tightly closed ④ . Slide the battery cover lock to the right ⑤ .

Installing a Memory Card:

Open the battery cover door, then insert the memory card into the card slot as shown in the illustration below (note the direction of the memory card opening). Push the bottom end of the memory card with your fingertip into the slot completely and close the battery cover door.



A memory card (microSD / microSDHC / microSDXC) is essential to recording and saving 360° photos and videos and is not included in the product packaging. The memory card needs to be purchased separately. Please use a memory card which is Class 10 or higher and has a capacity of 8GB to 256GB. When recording with any new memory card Class 10 or higher, it is recommended you format the memory card before using.

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

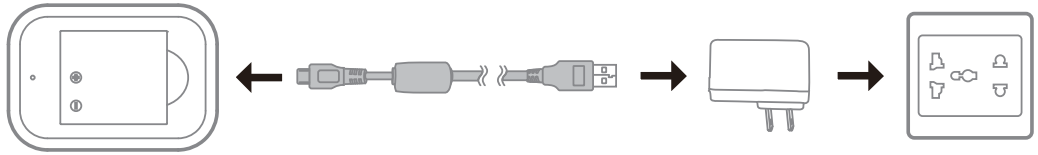
The camera will automatically turn off if the memory card is inserted or removed when the product is turned on.

Charging the Battery:

Please use the supplied battery charger and AC adapter to charge the Li-ion battery in an ambient temperature ranging from 50ºF to 95ºF or 10˚C to 35˚C.

Charging the Battery with Induded Battery Charger:

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

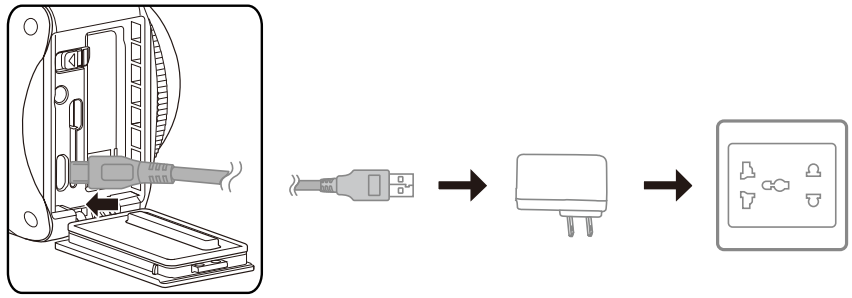


2. The indicator light will turn red when charging. The indicator light will turn green when charging is complete.

When charging the battery for the first time or after a long period of storage, please make sure that the charging time is a minimum of 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 the "off" mode, use the Micro USB cable to connect the camera to the AC adapter first, then plug the AC adapter into an electrical outlet. Alternatively, use the Micro USB cable to connect the camera to an external power supply (vehicle power supply, portable power supply, etc.).



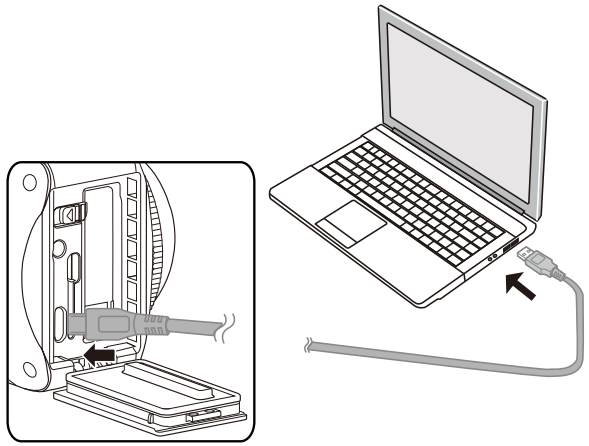
3. The indicator light will turn orange while it is charging. The indicator light will go out once charging is completed and the battery is fully charged.

The camera cannot be recharged when its power is on.

Charging the Camera via a Computer:

1. Place the battery into the camera.
2. Use the Micro USB cable to connect the camera (in the "off" position) to your computer.
3. The indicator light will remain orange while it is charging. The indicator light will go out once charging is completed and the battery is fully charged.

The camera cannot be recharged when its power is on.

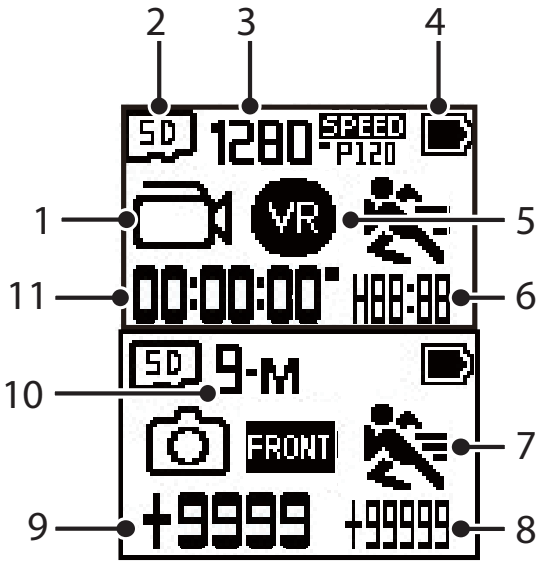


Using the Internal Microphone:

Please only use the proprietary PIXPRO audio cable available @ kodakpixpro.com (cable sold seperately).

Main Camera Interface

■ **Main Camera Interface Introduction:**



1. Camera Mode
   - Movie Mode
   - Snap Shot Photo Mode
   - High-Speed Movie Mode
   - Burst Mode
2. Memory Card
3. Movie Size: VR 3840 P24 / 3840 P15 / 1920 P30 / 1280 P120
   DOME 2880 P24 / 1920 P30
   FRONT 4K P30 / FHD Ultra P60 / FHD middle P60 / FHD narrow P60 / HD P60 / HD P120
4. Battery Status
5. Display Mode: VR 360° Spherical / DOME 235° Spherical / FRONT 4K [16:9] Full Frame
6. Remaining Recording Time: H88:88 HH:MM / M88:88 MM:SS / --:-- none
7. Motion Detection (On)
8. Number of Remaining Shots: +99999 :("+9999" will be displayed when the SD card exceeds the maximum available display number) / ----- none
9. Existing Document in the Memory Card: +9999 ("+9999" will be displayed when the SD card exceeds the maximum available display number)
10. Photo Size: VR 27M / 15M / 27M / 15M
    DOME 13M
    FRONT 9-M / 8-M
11. Time Recording the Movie 00:00:01"

Power On / Off

■ Power On:

When the power is off, press the ⏻ button for one second or more to turn the camera on.

■ Power Off:

When the power is on, press the ⏻ button for one second or more 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.

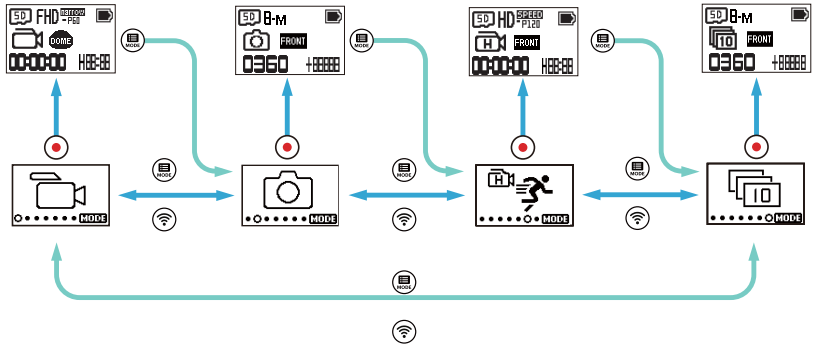
Start-up for Language, Date and Time

1. Press the ⏻ button to turn the camera on. When starting for the first time, the display will show the date and time screen setting, "Year/Month/Day/Hour/Minute/Second".
2. The field to be adjusted will be highlighted with a black background color. Press the MODE (up) or (down) buttons to adjust the value, press the ● button to enter and confirm.
3. After adjusting the "Minute : Second" value, press the ● button to enter the main camera menu interface.

Camera Mode Introduction

In the main camera interface, press and hold the (up) button to enter the mode selection interface. Press the (up) or (down) button to select any one mode; press the button to enter and confirm the mode of the current interface.

4 modes are available: Movie Mode , Snap Shot Photo Mode , High-Speed Movie Mode , and Burst Mode .

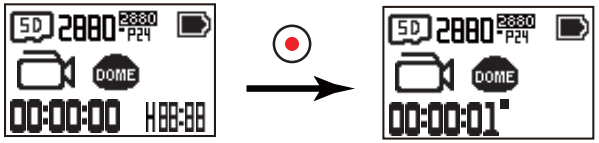


■ Movie Mode

Enable video recording. This mode is suitable for recording in most conditions.

Operation Method:

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

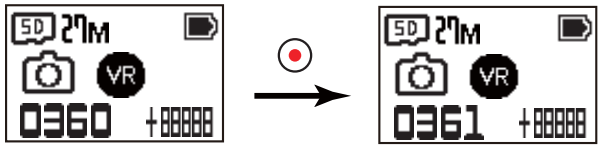


■ Snap Shot Photo Mode

Enable photo shooting. This mode is suitable for shooting photos in most conditions.

Operation method:

Press the ⦿ button to take a photo.

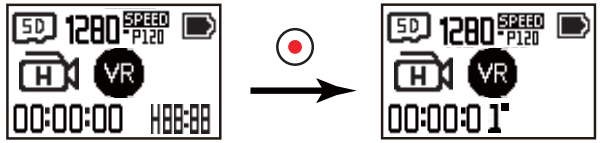


■ High-Speed Movie Mode

This camera 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.



Audio cannot be recorded in this mode.

■ Burst Mode

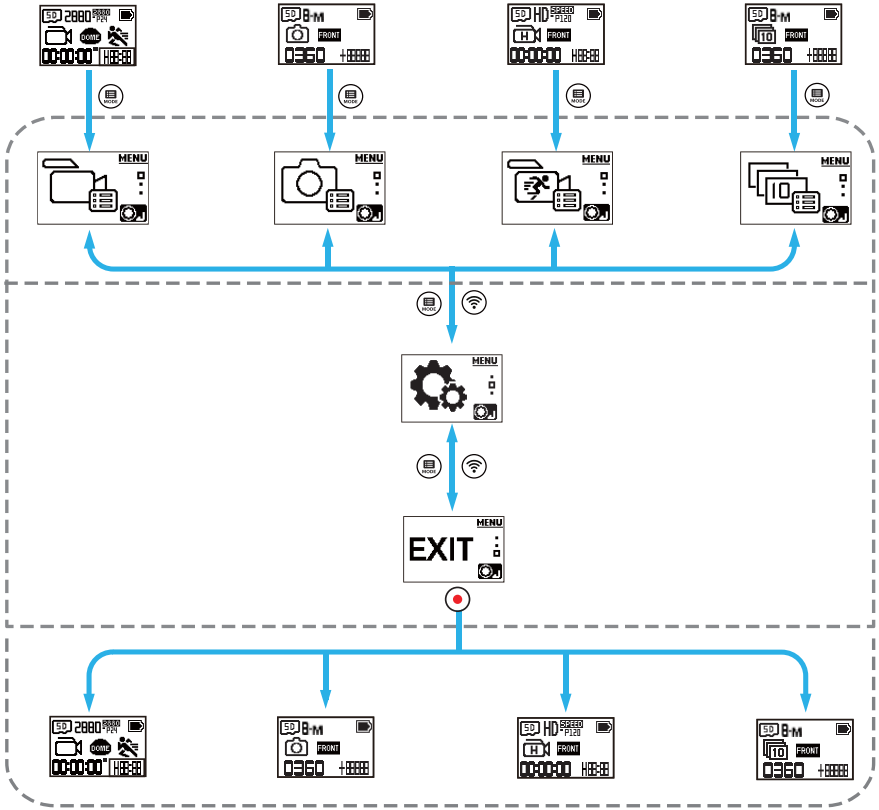
Enables ten successive photos to be captured continuously before automatically pausing.

Operation method:

Press the ⦿ button; the camera will pause after 10 photos have been taken.

Menu Introduction:

1. In the main camera interface, press and hold the (up) button to enter the interface menu. There are 2 options: All Shooting Mode Settings (/ / /) and General Settings . Press the (up) or (down) button to select the desired setting and press the button to enter the corresponding sub-menu interface.

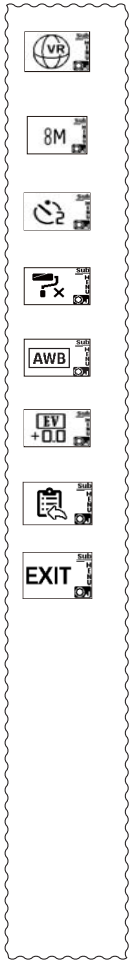
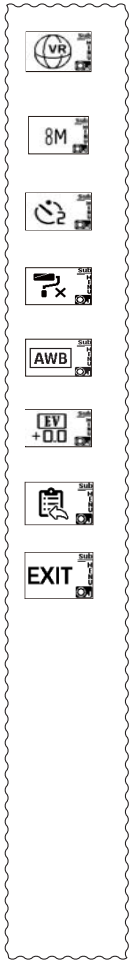


Menu Interface

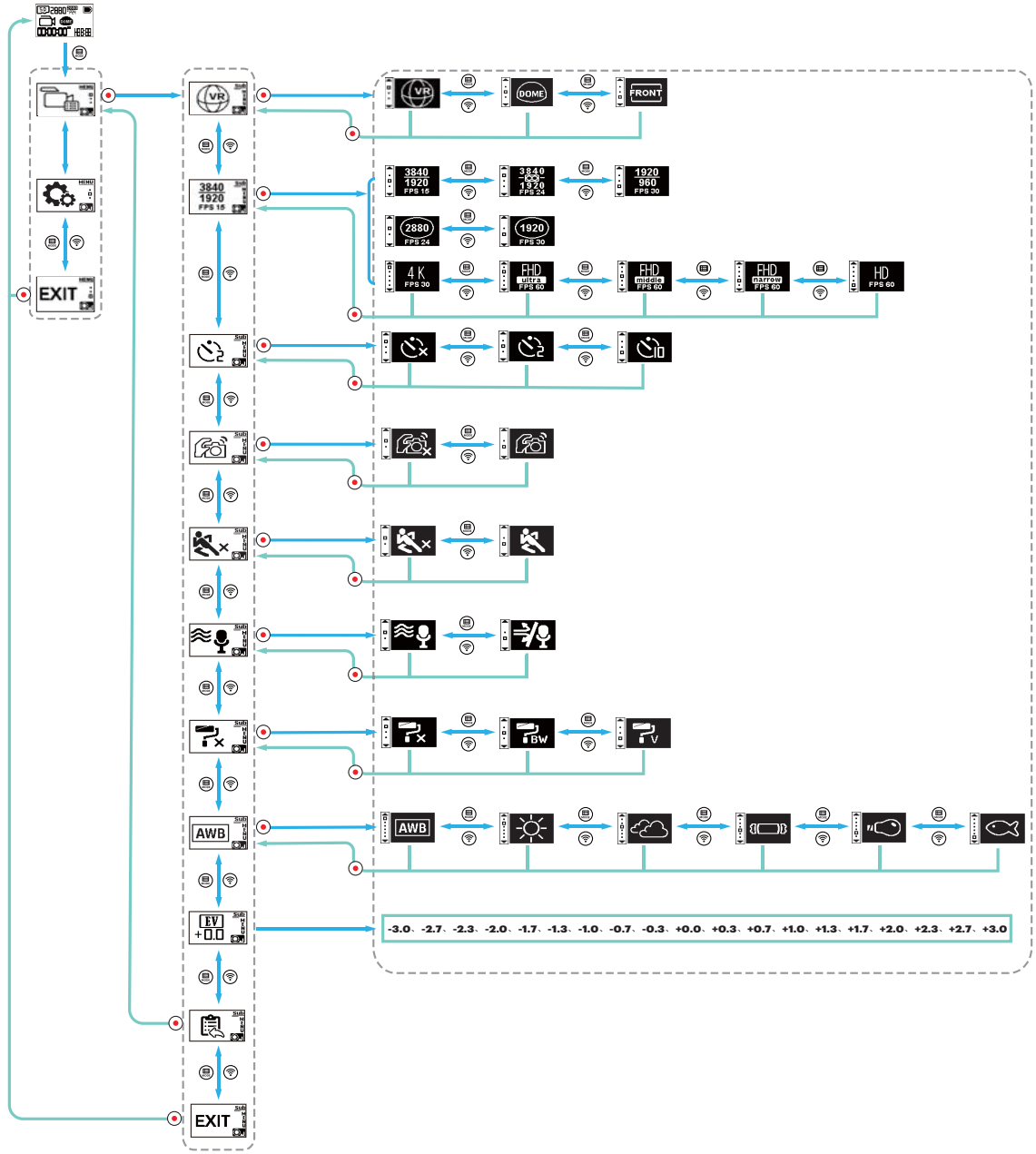
2. Toggle between the (up) or (down) buttons to select the desired setting; press the button to confirm and to enter the selected menu interface (highlighted with a black background color).
3. Press the (up) or (down) buttons to select the desired item; press the button to select and confirm and to go back to the sub-menu interface.
4. Select , press the button to return to the menu interface.
5. Select EXIT, press the button to return to the main menu interface.

All Shooting Mode Settings (/ / /)

The Sub Menu for all shooting modes and settings:

	Movie Setting	Photo Setting	High-Speed Movie Setting	Burst Setting
Menu Interface				
Sub-Menu Interface settings				

Below is an illustration of the recording setting menu for an example. The operating settings of all optional shooting modes have the same menu entry flow and menu access as shown below:

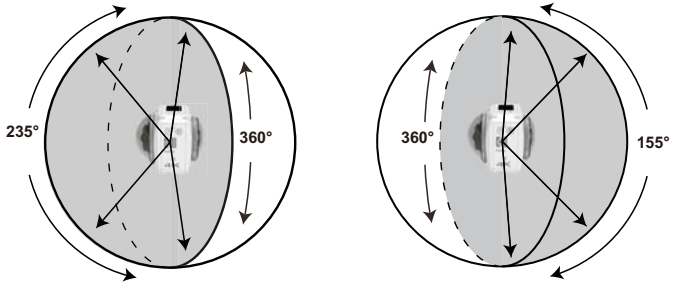


■ Display Mode

Set image storage format.

There are 3 options:

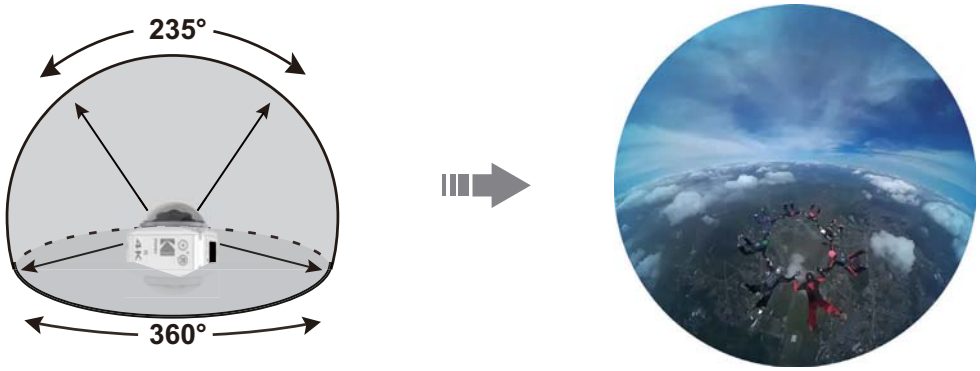
1. VR 360° Spherical / VR Mode



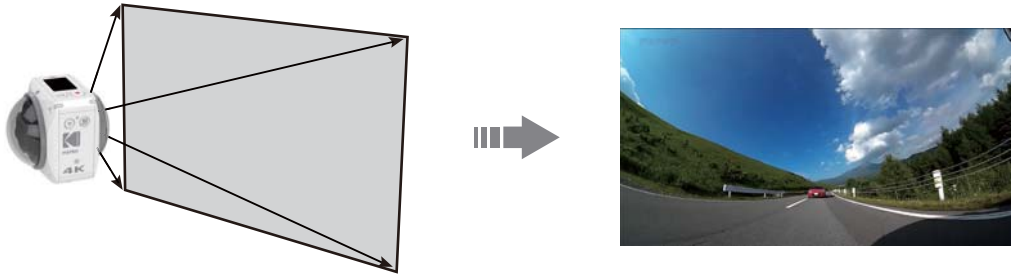
Stitched

Global

2. DOME 235° Spherical Mode



3. FRONT 4K [16:9] Full Frame Mode



■ Movie Size

Video Resolution Settings:

VR 360° Spherical / VR Mode (2:1)

- 3840 ∞ P24 3840×1920 (24fps)
- 3840 1920 P15 3840×1920 (15fps)
- 1920 960 P30 1920×960 (30fps)
- 1280 SPEED P120 1280×640 (120fps)

Dome 235° Spherical Mode (1:1)

- 2880 2880 P24 2880×2880 (24fps)
- 1920 1920 P30 1920×1920 (30fps)

Front Mode [16:9] Full Frame

- 4K P30 3840×2160 (30fps)
- FHD Ultra P60 1920×1080 (60fps)
- FHD middle P60 1920×1080 (60fps)
- FHD narrow P60 1920×1080 (60fps)
- HD P60 1280×720 (60fps)
- HD SPEED P120 1280×720 (120fps)

The selectable video resolution options vary for different video shooting modes and are subject to actual user selections that will determine final playback and the saved video file resolution.

When the display mode is set to VR , the only options available will have the [2:1] aspect ratio and will be displayed; when the display mode is set to FRONT , only the [16:9] options will be displayed; when the display mode is set to DOME , only the [1:1] aspect ratio options will be displayed.

When selecting 4K P30 during recording, if the lenses face toward a harsh or brighter light, a glow affect may occur.

The maximum recording times are:

Movie size	4GB	8GB	16GB	32GB	64GB	128GB	256GB
3840 ∞ P24	00:08:00	00:16:00	00:32:00	01:05:00	02:07:00	04:16:00	08:42:00
3840 1920 P15	00:08:00	00:16:00	00:32:00	01:05:00	02:07:00	04:16:00	08:42:00
1920 960 P30	00:28:00	00:57:00	01:56:00	03:51:00	07:33:00	15:12:00	30:59:00
1280 SPEED P120	00:18:00	00:37:00	01:16:00	02:31:00	04:56:00	03:39:00	20:16:00
2880 2880 P24	00:08:00	00:16:00	00:32:00	01:05:00	02:07:00	04:16:00	08:42:00
1920 1920 P30	00:24:00	00:29:00	00:58:00	01:57:00	03:50:00	07:42:00	15:43:00
4K P30	00:08:00	00:16:00	00:32:00	01:05:00	02:07:00	04:16:00	08:42:00
FHD Ultra P60	00:18:00	00:37:00	01:15:00	02:30:00	04:54:00	09:51:00	20:05:00
FHD middle P60	00:18:00	00:37:00	01:15:00	02:30:00	04:54:00	09:51:00	20:05:00
FHD narrow P60	00:18:00	00:37:00	01:15:00	02:30:00	04:54:00	09:51:00	20:05:00
HD P60	00:30:00	01:00:00	02:03:00	04:04:00	08:01:00	16:07:00	32:51:00
HD SPEED P120	00:21:00	00:43:00	01:28:00	02:56:00	05:54:00	11:34:00	23:34:00

Self Timer:

Setting the self-timer function:

There are 3 options:

- Self Timer - Off
- Self Timer - 2 sec
- Self Timer - 10 sec

Electronic Image Stabilization (EIS):

Setting the Electronic Image Stabilization (EIS) function:

There are 2 options:

- Enable
- Off

Shooting Modes	Number of Recording Pixels		
Still	7360x3680	360°	-
	5520x2760	360°	-
	7360x3680	360°	-
	5520x2760	360°	-
	3680x3680	235°	-
	3525x2644	197°	-
	3840x2160	197°	-
Movie	3840x1920 15fps	360°	-
	3840x1920 24fps	360°	-
	1920x960 30fps	360°	-
	2880x2880 24fps	235°	207°
	1920x1920 30fps	235°	207°
	3840x2160 30fps	197°	172°
	1920x1080 60fps	197°	172°
	1920x1080 60fps	155°	140°
	1920x1080 60fps	100°	91°
	1280x720 60fps	67°	61°
Hi Speed Movie	1280x640 120fps	360°	-
	1280x720 120fps	197°	-

When the camera is set in VR Mode, the EIS setting is not available.

■ Motion Detection:

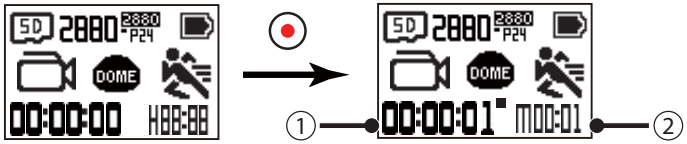
Motion detection means if the camera detects moving objects entering into view, it will automatically start recording. During the recording process, if there is no moving object detected for 10 continuous seconds, the recording will pause automatically.

There are 2 options:

• Enable • Off

Operation method:

1. Select and return to the main menu interface.
2. The display will show the icon. Press the button to activate. When the product detects moving objects, it will automatically start recording.
3. The product will stop recording when there is no change in the image or lack of movement after 10 seconds. When the image changes or the camera senses movement again, the camera will start recording again 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 enabling the Motion Detection setting

4. Press the button to stop recording and detecting.

■ Wind Reduction:

Wind reduction refers to the camera's ability to reduce the amount of noise caused by wind or high speed according environments.

There are 2 options:

• Enable • Off

■ Color:

Set Image Color.

There are 3 options:

• Normal • Black and White • Vivid

■ White Balance:

White balance means the user can adjust the color temperature under different light sources to help ensure that the colors in photos and videos are reproduced as accurately as possible.

There are 6 options:

• AWB Auto White Balance • Daylight • Cloudy • Fluorescent • Incandescent • Underwater

■ Exposure Compensation:

Adjust picture brightness. The adjustable range of the camera's exposure compensation value is from EV -3.0 to EV +3.0.

■ Photo Size:

Set photo resolution.

There are 7 options:

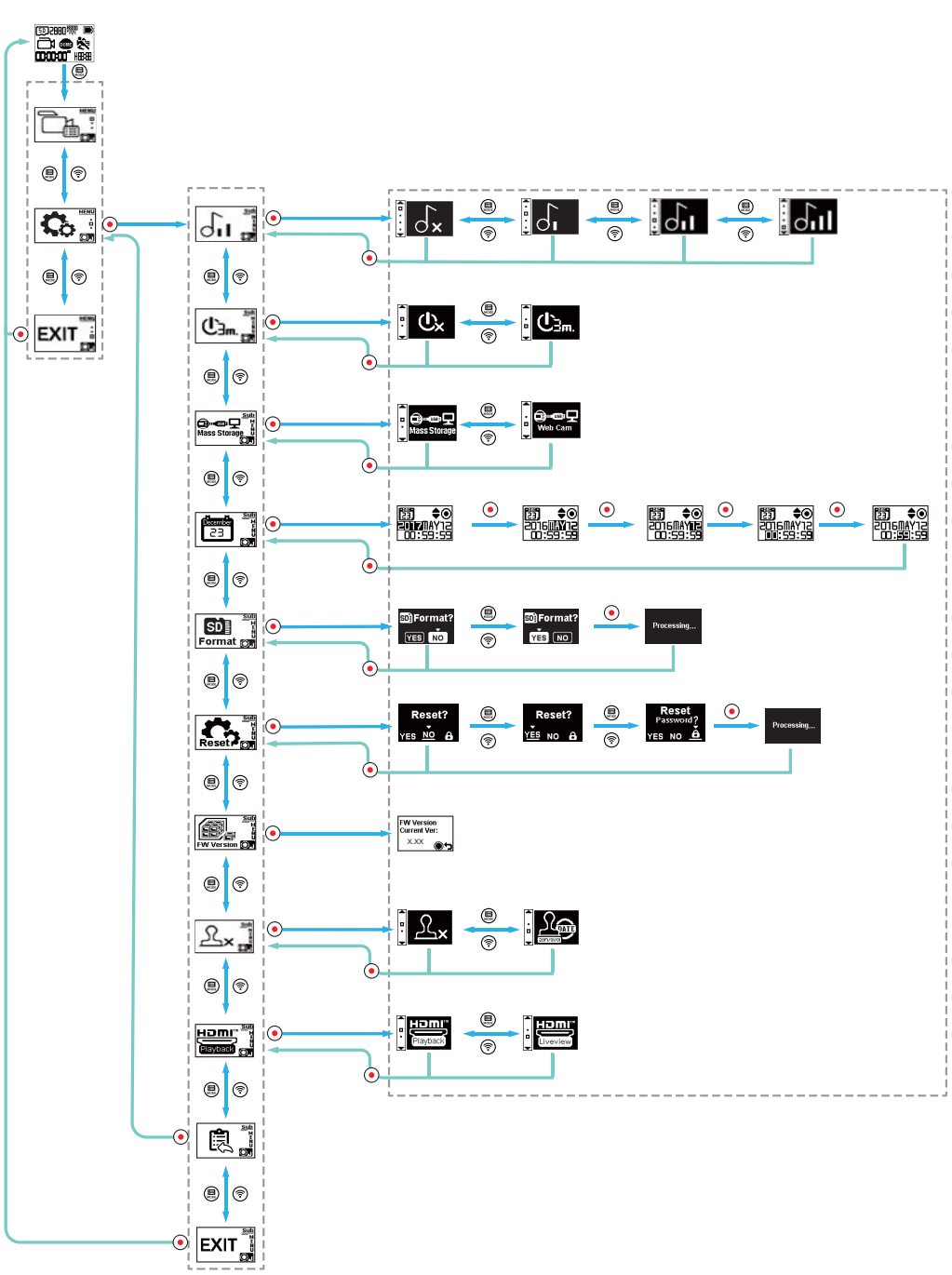
• 27M 7360×3680(2:1) • 15M 5520×2760(2:1) • 27M 7360×3680(2:1) • 15M 5520×2760(2:1)

• 13M 3680×3680(1:1) • 9-M 3525×2644(4:3) • 8-M 3840×2160(16:9)

Number of photos that can be stored:

Photo size	4GB	8GB	16GB	32GB	64GB	128GB	256GB
27M	190	380	780	1560	3050	6140	12520
15M	330	680	1370	2730	5350	10760	21700
27M	190	380	780	1560	3050	6140	12520
15M	330	680	1370	2730	5350	10760	21700
13M	370	760	1530	3060	5960	11970	24410
9-M	530	1080	2190	2080	8510	17110	17110
8-M	600	1210	2450	4890	9530	19160	39060

General Settings



Menu Sub-Menu Selectable Options

■ Audio / Sound

Set the audio / sound levels of the camera.

There are 4 options:

• Sound Off • Sound 1 • Sound 2 • Sound 3

■ Automatic Power Off

When this function is enabled, if there is no action taken within a set time frame (except while recording or connected to Wi-Fi), the camera will automatically power off.

There are 2 options:

• 3 minutes • Off

■ USB Connection Mode

The mode of connecting the camera via a Micro USB cable to a computer is available. If there is a need to read, save photos or videos, please select the "Mass Storage" mode from the menu settings. If there is a need for the camera to serve as a video chat (SKYPE) camera, please select the "Webcam" option.

There are 2 options:

• Mass Storage • Webcam

When the Webcam is being used, the power can only be supplied by the camera's internal Li-ion battery, so a fully charged battery is highly recommended.

■ Date / Time

Set the date and time in the camera.

1. The display shows the date and time setting screen, "Year, Month, Day, Hour : Minute : Second";
2. The field to be adjusted will be highlighted with a black background color. Press the (up) or (down) button to adjust the value, press the button to confirm value.
3. After adjusting the "Minute" value, press the button to enter the Sub-Menu Interface.

■ Format

Format will clear all data stored on the memory card and will fully erase all photos and videos stored on the card.
There are 2 options:

• YES Confirm • NO Cancel

To select YES, press the ● button to start formatting the card and return to the sub-menu interface after completion.

■ Reset Settings

Reset settings will recover abd reinstall all standard product settings to the factory defaults (except for date and time).
There are 3 options:

• YES Confirm • NO Cancel • Reset Password

If select YES , press the ● button to start reset and return to the sub-menu interface after completion.

■ FW Version

The FW version will display the current firmware version installed on your camera. Press the ● button to return to the sub-menu interface.

If there is a new version stored in a folder firmware on the memory card, the firmware can be updated by inserting the memory card and updating the firmware.
There are 2 options:

• YES Confirm • NO Cancel

If select YES , press the ● button to start updating the new firmware and the camera will automatically power off after completing and installing the firmware update.

If the low battery warning appears, fully charge the battery before reattempting to update the firmware.

■ Date Stamp

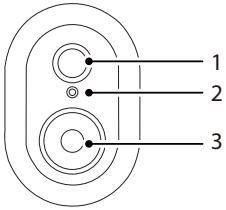
Include a date stamp on the photo image.
There are 2 options:

• Date Stamp_On • Date Stamp_Off

27M / 15M will not allow a date stamp on the photo images.

BLUETOOTH Remote Control-D

Remote Control View



1. BLUETOOTH Signal Test Button
2. Connect / Shooting Indicator
3. Recording / Shooting Button

Specifications

Model: RR-BK04
Dimension:30×20×13.7mm
Weight: 27±2g (including battery)
Dust Proof: IP6X
Temperature: -10° to 40°C
Humidity: 0~90%
Battery: Button Cell CR2032

Before Using:

Pull the insulating strip completely out prior to operating the remote control.

Installing the Battery:
Use a screwdriver to remove the screw on the backside of the remote control by turning it counterclockwise (Fig. 1). Open the battery cover and insert the battery (Fig. 2), close the battery cover and rotate the screw in the opposite direction to tighten down.

Installation of the Remote Control Mount-B /Mini Remote Control/3-Leg Stand:

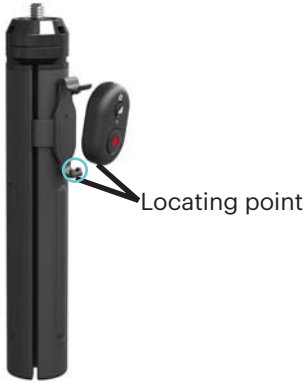
1. Press the Mini Remote Control mount onto the 3-Leg Stand (Fig. 1). Close the tripod (Fig. 2).

   Align the mount anchor point with the tripod anchor point.

2. To mount the Mini Remote Control and align it between the two location holes at the bottom of the mount (Fig. 3), align the remote control with the two locating points at the top of the mount (Fig. 4), and snap into place.

(1)

(2)



(3)

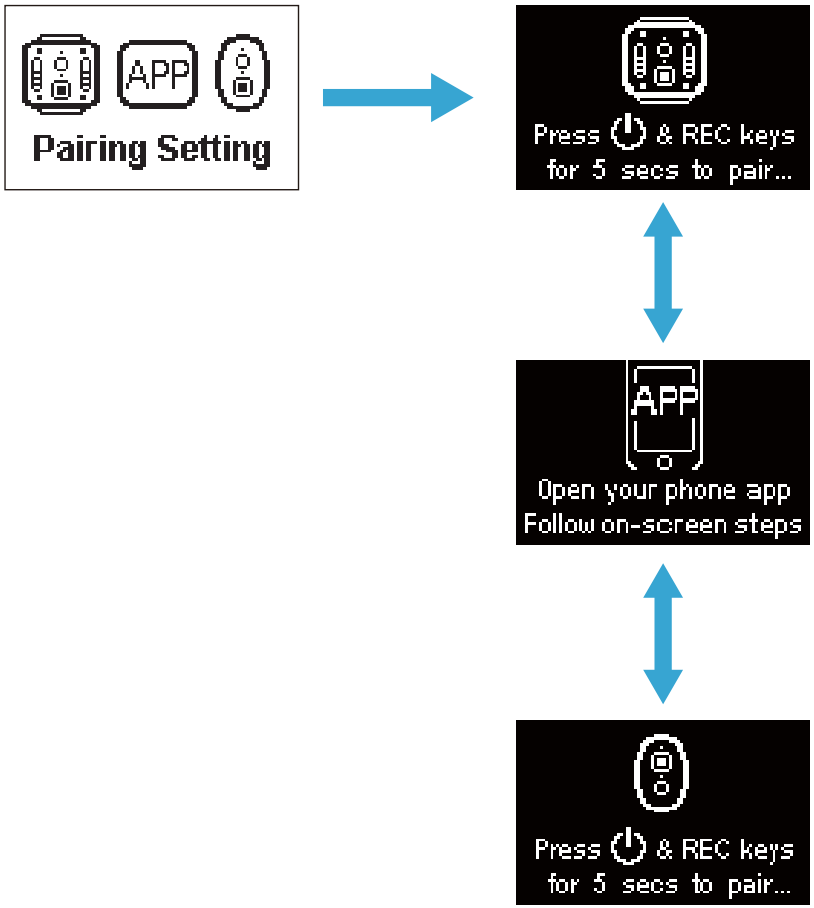
(4)

Pairing the Camera Via BLUETOOTH Remote Control:

1. Pair the camera to the remote control

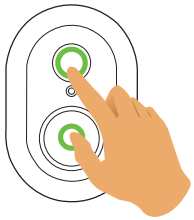
   This method is for one remote control for one camera:

   With the camera turned on, press the button for 2 seconds to enter the pairing mode.

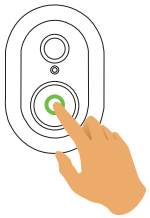


   Press and hold the and buttons simultaneously on the remote control until pairing is successful.

While attempting to pair, the remote control should be held close to the camera.



2. Press the ⏺ button on the remote control to start shooting or recording and press the ⏺ button again to stop recording.



Other parameters in the camera will remain the same as initially set.

3. To terminate remote control pairing, press the 📶 button.

Successful Pairing Between the Camera and the Remote Control:

1. If the camera is powered off, the camera can be powered on and will start recording by pressing the botton on the remote control.
2. To test if the camera is powered on or whether the remote control is paired successfully, press the button. The camera will power off by pressing and holding the button for 1.5 seconds or more.
3. Using the mini remote control, all settings or parameters set in the camera's menus for shooting or recording will remain the same as initially set.

Upon successful pairing, both the remote control and camera will remember the BLUETOOTH information.

Indicator Lamp Status Description:

1. If pairing is successful, the signal indicator light will turn green.
2. If pairing fails, the signal indicator lamp will turn red.
3. When recording or shooting with the Mini Remote Control, the shooting status indicator lamp will turn red.
4. When the remote control's battery level is less than 20%, the indicator light will turn orange.

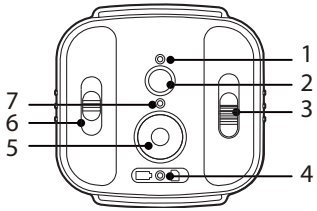
Precautions:

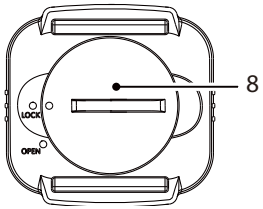
1. If the Wi-Fi, NFC or HDMI connection or computer connection with the camera are enabled, the remote control function is not available.
2. The remote control operates at band 2.4GHz. Because microwave ovens, radios and amateur radios also use the same cyclic wave, it is possible to experience radio interference.
3. Before using the remote control, please make sure there are no other electronic devices or radio stations, etc. around. Please use the camera and remote control in an environment with better permeability and free from obstructions.
4. Radio interference and other circumstances may cause a malfunction of the remote control. Pay attention to the actual conditions of the camera when using the remote control.

BLUETOOTH Remote Control-C

A remote control can be used for remotely controlling the camera at a long distance.
The remote control is optional. If you need one, contact the local retailer to buy or access http://kodakpixpro.com for details of customer service.
You can wear the remote control on your wrist to perform long-distance control on the camera by operating the remote controller.

Remote Control View





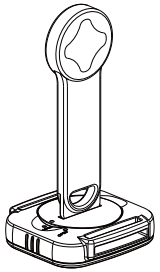
1. Signal Indicator Lamp
2. BLUETOOTH Signal Test Button
3. Shooting Mode Switch
4. Battery/Memory Card Indicator Light
5. Recording / Shooting Button
6. VR 360°/Front 155°/Round 235° Mode Switch
7. Shooting Status Indicator Lamp
8. Battery Cover

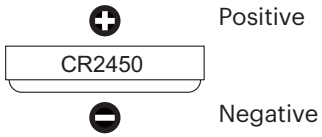
Specifications

Model: RR-WH03
Dimension: 46.9×46.1×13.7mm
Weight: 28g (including battery)
Waterproof: 5m (16 feet)
Crashproof: 2m (6.5 feet)
Dustproof: IP6X
Temperature: -10 to 40°C
Humidity: 0~90%
Battery: Button Cell CR2450

Installing the Battery:

Open the battery cover plate with the included accessories tool in a counter clockwise direction. Insert the battery with the anode facing upward. Replace cover CR2450 plate over battery and turn clockwise to lock into place.



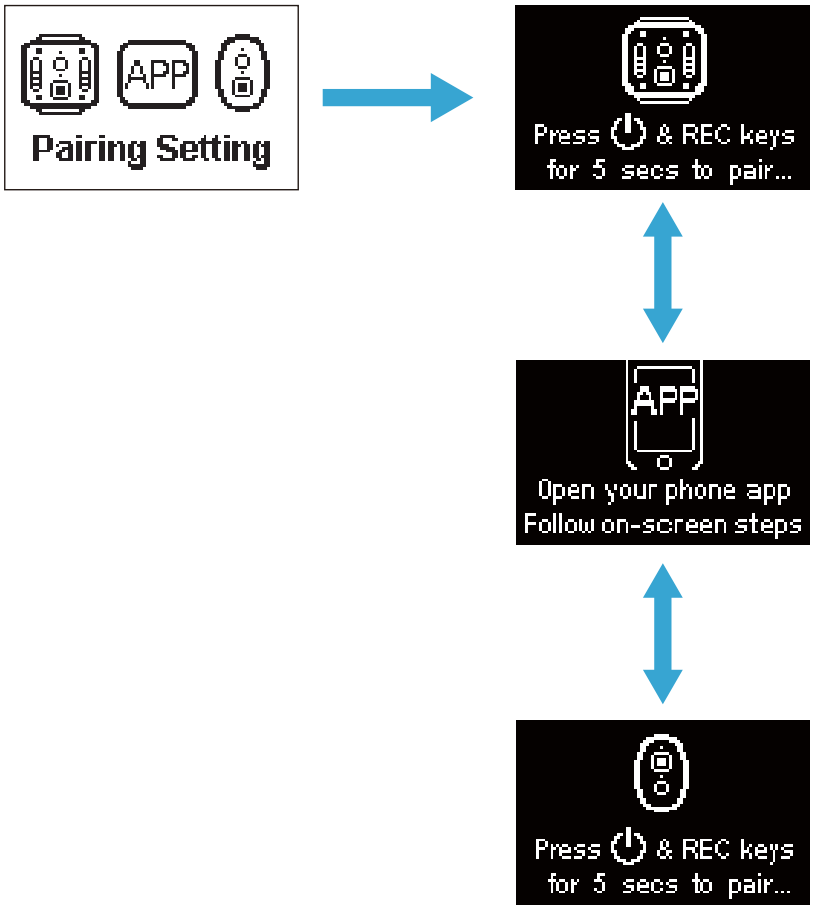


Pairing the Camera Via BLUETOOTH Remote Control:

1. Pair the camera to the remote control

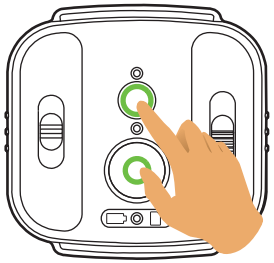
   This method is for one remote control for one camera:

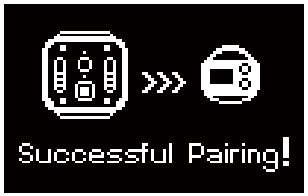
   With the camera turned on, press the button for 2 seconds to enter the pairing mode.



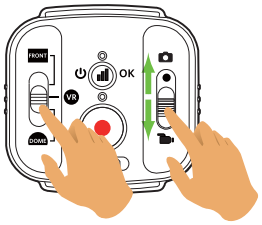
Press and hold the and buttons simultaneously on the remote control until pairing is successful.

While pairing, the remote control should be held closer to the camera.



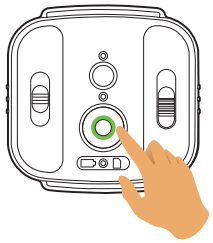


2. Set the desired shooting mode (movie mode or snap shot photo mode) and the display mode (VR , Round or Front).



Other parameters are set the same as the current settings of the camera at the same mode.

3. Press the button on the remote control to start shooting or recording and press the button again to stop recording.



Successful Pairing Between the Camera and the Remote Control:

1. To test if the camera's powered on or whether the remote control is paired successfully, press the button. The camera will power off by pressing and holding the button for more than 1.5 seconds.
2. When the button on the remote control is pressed to start recording or shooting, the camera works with the current setting of the remote control.

Upon successful pairing, both the remote control and camera will remember the BLUETOOTH information.

If the camera has been powered off for more than 12 hours, it is impossible to power on the camera directly with remote control.

Indicator Lamp Status Description:

1. If pairing is successful, the signal indicator light will turn green.
2. If pairing fails, the signal indicator lamp will turn red.
3. During remotely controlled recording or shooting, the shooting status indicator lamp turns orange.
4. When the battery level of the camera is less than 25% or the memory card is full, the battery/memory card indicator lamp turns red.

Precautions:

1. If the Wi-Fi, NFC or HDMI connection or computer connection with the camera are enabled, the remote control function is not available.
2. The remote control operates at band 2.4GHz. Because microwave ovens, radios and amateur radios also use the same cyclic wave, it is possible to experience radio interference.
3. Before using the remote control, please make sure there are no other electronic devices or radio stations, etc. around. Please use the camera and remote control in an environment with better permeability and free from obstructions.
4. Radio interference and other circumstances may cause a malfunction of the remote control. Pay attention to the actual conditions of the camera when using the remote control.

Micro USB Interface

Charging Your Camera:

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Using an External Power Supply

In the 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. The camera settings for functions, photography and other operation can be performed normally.

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

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

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

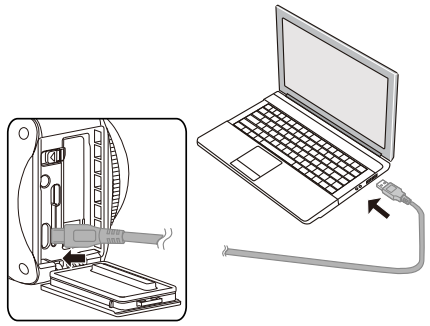
Insert the battery into the camera before using an external power supply to charge the camera.

Data Transmission

Use the Micro USB cable to connect the camera to a computer and copy files from the camera to the computer.

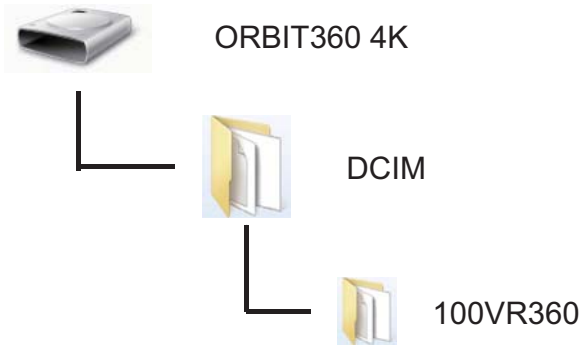
The steps are as follows:

1. Set the USB connection mode to 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's hard drive. After the transmission is complete, please unplug the USB cable in a safe manner according to the computer's settings and operation manual.
4. The camera will automatically power off when the Micro USB cable is unplugged.

Your computer operating system version needs to be Mac OS X10.9 and above or Windows 7 and above.



The folder structure of a microSD card on which this camera has performed recording is as follows:

- Folder numbers range from 100 to 999. Four alphabetic characters indicate the camera lens type. Five or eight alphabetic characters indicate the file type.
  The character shows the camera lens type used in the shot:

  VR: 360º Spherical / VR Mode : _

  Dome: 235 Spherical Mode: R

  Front: 155 4K [16:9] Full Frame Mode : F

- VR files formatted (Each folder stores a maximum of 9999 still pictures)
  Still pictures in .jpg format
  Movie files in .mp4 format

If you want to have a 360° viewing experience, please watch the video recorded by the ORBIT360 4K/4KVR360. Playback your photos or videos using the application program dedicated for the ORBIT360 4K/4KVR360.

Webcam:

Connect the camera and computer via a Micro USB cable to use the ORBIT360 4K/4KVR360 as a Webcam.

1. Download the drivers for the APP “PIXPRO 360 VR Webcam” from the official KODAK PIXPRO website and install it onto the computer as prompted on your computer's screen.

Americas

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

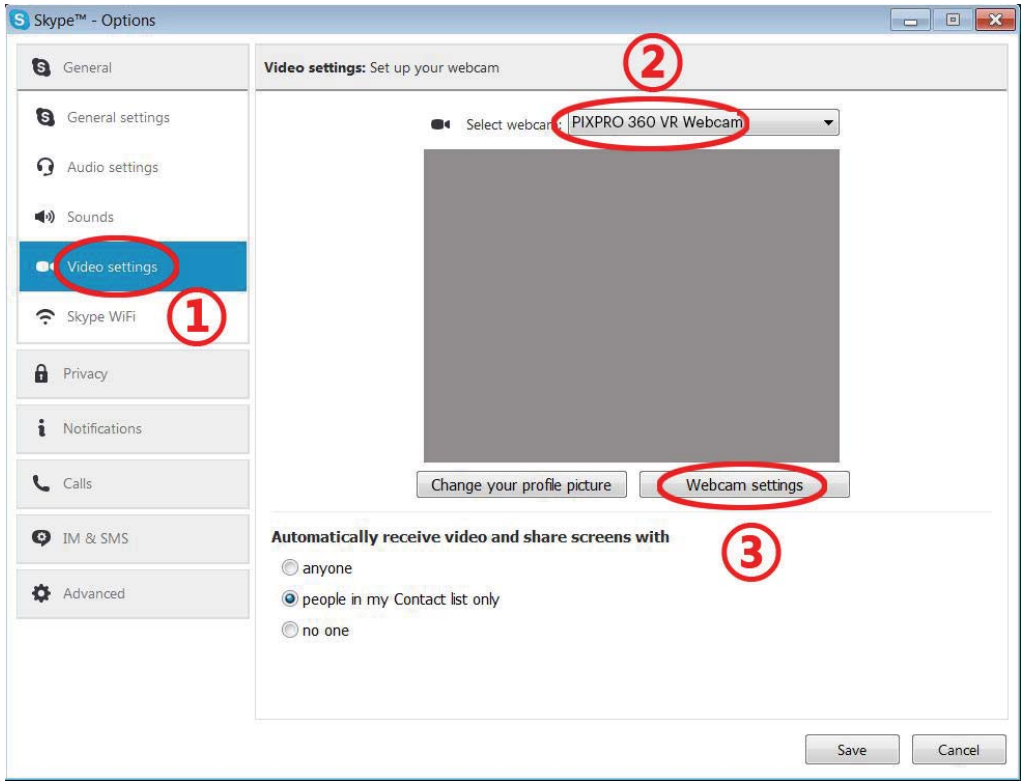
Europe

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

2. Set the USB connection mode to Web Cam from the camera's menu.

3. Connect the computer (while turned on) and camera (while turned on) via a Micro USB cable. While connecting, the camera will display “ Web Cam ” and the computer will detect the camera automatically.

4. Open the video software (SKYPE) in your computer and select “Options” from the “Tools” menu. Click on “Video Settings” and select “PIXPRO 360 VR Webcam” as the video input device. By clicking on “Webcam Settings” you may change various settings.



5. Change any desired settings and click on “OK” to exit.

The image size can be adjusted on your computer. If you choose a resolution of 1280×720, the image will be displayed in an aspect ratio of [16:9].

This function supports Windows 7 and higher OS. (Graphics GPU must support Direct 3D 10.)

Applicable Video Software: SKYPE™.

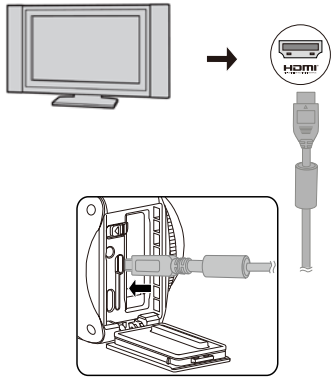
The Webcam consumes battery power, so we recommend you use fully charge your camera's battery. (A fully charged battery and selecting HD image quality will work for approximately 6 hours).

The Webcam function is not available if the battery is not inserted into the camera.

While using the Webcam mode, the camera can only be connected to the USB interface with the Cisco Discovery Protocol (CDP) feature and it will consume the camera's battery power. (Please connect to the USB interface with the camera turned on).

Micro HDMI Interface:

To connect your camera to a TV, use a Micro HDMI cable (sold separately).



After the connection is successful, the files on the memory card of the camera should be displayed on the television, while HDMI Playback or Liveview is displayed on the camera's LCD.

Shooting and Playback Functions on the Camera:

1. Press and hold the button to switch between the video playback mode and the shooting modes.
2. Press the MODE (up) or (down) buttons to browse the folders and files in the playback modes.
3. Press the button to start playing videos and photos and press the button again to stop playing while in the recorded folders and files.
4. Set the camera parameters according to requirements in the menu first while in the shooting mode. Then return to the main camera screen, press the button to shoot or start recording and press the button again to stop recording.

In the live view mode, the frame rate depends on the video settings.

Playback Functionality from your TV's and Remote Control:

1. Press the left and right keys to switch between the folders and files on your camera's Micro SD card.
2. Press the button to return to main menu.
3. Press the button to hide or display the TV screen information.
4. For browsing the video folders and files, press the TV remote control central key to start playing, press the left arrow to fast reverse, press the right arrow to fast forward and press the central button again to pause playback.
5. Press the button to delete the current file and select to confirm deletion.
6. Press the button to stop playing.

Only HDMI televisions having the Consumer Electronics Control (CEC) function can support this function.

Wi-Fi Mode

Download and Install APP

- Smart Devices:

  Download the APP installation package (APP name: PIXPRO 360 VR Remote Viewer) 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 360 VR Remote Viewer" in Google Play and install it by following the instructions on your smart device's interface.

  ANDROID APP ON Google play

  For iOS devices, search and download the APP "PIXPRO 360 VR Remote Viewer" in APP Store and install it by following the instructions on your smart device's interface.

  Download on the App Store

- Personal Computers:

  Download the "PIXPRO 360 VR Suite" (for Mac or Windows) installation package from the official KODAK PIXPRO 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 time connecting:

1. Do not use in places with high intensity magnetic fields, electrostatic and electric wave interference (for example near a microwave oven), which may or may not cause failure in receiving proper signals.
2. Do not use the Wi-Fi or NFC connection or functions on an airplane.
3. To maintain your connection, please keep the ORBIT360 4K/4KVR360 within 32.8 feet (10 meters) without signal shielding interference.
4. The ORBIT360 4K/4KVR360 and the smart device can only be connected one to one.
5. The ORBIT360 4K/4KVR360 and personal computer can only be connected one to one.
6. Your smart device operating system version needs to be iOS 9 or higher on Mac or ANDROID 5.0 or higher. iPad mini1 / iPad 4 / iPhone 5c and earlier models (any system versions) will not support this APP.
7. Your computer operating system version needs to be OS X10.9 on Mac and Windows 7 and above.

Connecting your Camera to Smart Device (or Personal Computer) with Wi-Fi:

Operation Method:

1. Camera:

   Check SSID (Service Set Identifier) (PIXPRO-ORBIT360_XXXX / PIXPRO-4KVR360_KXXXX) 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 pending connection mode interface two seconds later:

3. Camera:

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

5. Camera:

   When the APP is connected to the camera, the APP connection interface will appear.

   When recording has started via the APP, the recording interface will appear on the camera's LCD.

2. Smart Device or Personal Computer:

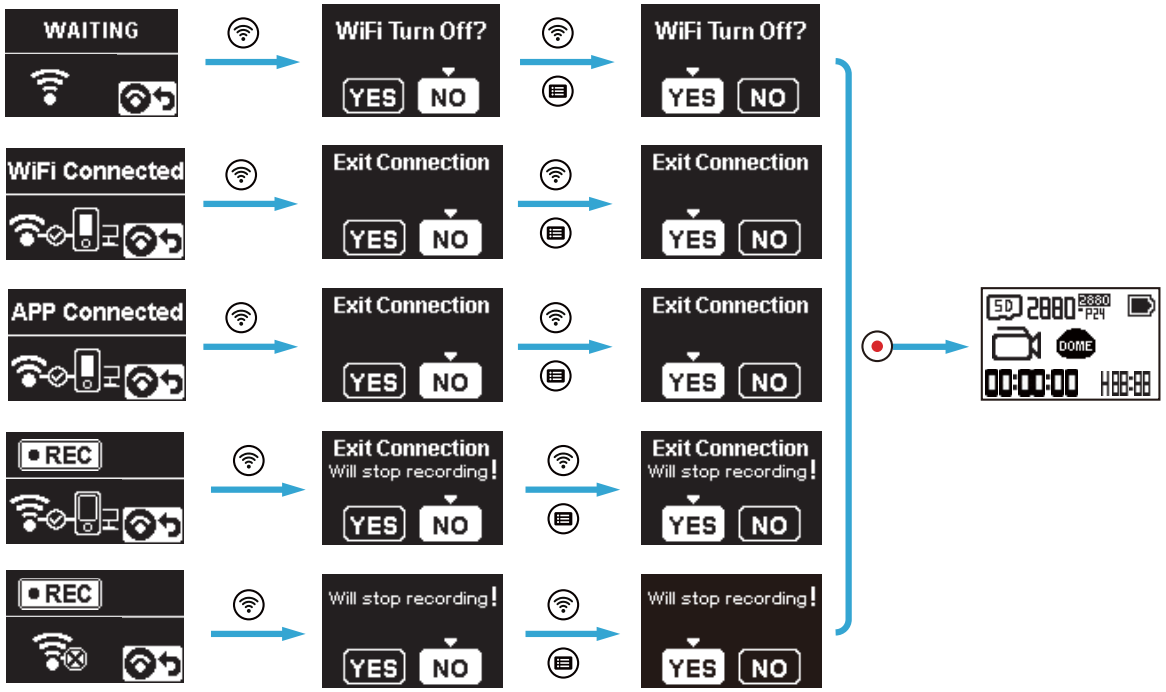
   When you enable Wi-Fi mode, the camera will automatically search nearby Wi-Fi hotspots. Select the one with the same SSID (PIXPRO-ORBIT360_XXXX / PIXPRO-4KVR360_KXXXX) and input the camera's password. (Default Password: 12345678)

4. Smart Device or Personal Computer:

   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 your computer to start it.

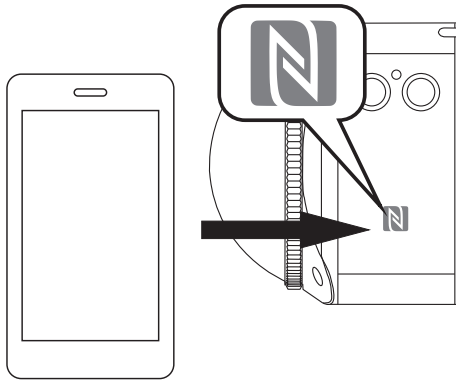
If the Wi-Fi connection is dropped while recording, the camera will continue to record and will enter the connection free recording mode.

When displays in the interface, press the button and press the (up) or (down) button to select YES . Then press the button to exit the Wi-Fi connection mode.



Connecting Camera to Smart Device with NFC

1. These instructions are to enable NFC connection on your smart device.
2. Use your smart device to lightly touch the NFC mark on the ORBIT360 4K/4KVR360 camera. If the smart device has a prompt tone or vibration that means the connection is successful.



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

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

Specifications:

Design and specifications are subject to change without notice.

Image Sensor A	Type	1/2.3" BIS CMOS
	Effective Pixels	20.68 Megapixels
	Total Pixels	21.14 Megapixels
Lens A	Focal Length	1.633mm
	Equivalent to 35mm film	9.18mm
	F Number	F2.4
	Lens Construction	7 groups 8 elements
	Focus	Fix Focus
	Field of View	Max. 197 Degrees (For Front Mode [16:9])
		Max. 155 Degrees (For VR Mode [2:1])
	Focusing Range	30cm~∞
Image Sensor B	Type	1/2.3" BIS CMOS
	Effective Pixels	20.68 Megapixels
	Total Pixels	21.14 Megapixels
Lens B	Focal Length	1.257mm
	Equivalent to 35mm film	7.08mm
	F Number	F2.4
	Lens Construction	7 groups 8 elements
	Focus	Fix Focus
	Field of View	Max. 235 Degrees
	Focusing Range	30cm~∞
Anti-Handshake	Electronic Image Stabilization (EIS)	

<table>
<tr><td rowspan="16">Number of Recording Pixels</td><td rowspan="8">Still Image</td><td>27MP: 7360x3680 (2:1)</td><td rowspan="2">Stitched</td><td rowspan="4">VR Mode / 360° Spherical</td></tr>
<tr><td>15MP: 5520x2760 (2:1)</td></tr>
<tr><td>27MP: 7360x3680 (2:1)</td><td rowspan="2">Global</td></tr>
<tr><td>15MP: 5520x2760 (2:1)</td></tr>
<tr><td>13MP: 3680x3680 (1:1)</td><td colspan="2">Dome Mode / 235° Spherical</td></tr>
<tr><td>8MP: 3840x2160 (16:9)</td><td colspan="2" rowspan="2">Front Mode / [16:9] Full Frame</td></tr>
<tr><td>9MP: 3525x2644 (4:3)</td></tr>
<tr><td rowspan="8">Movie</td><td colspan="3">(2:1)</td></tr>
<tr><td>3840×1920/24fps</td><td>Global</td><td rowspan="3">VR Mode / 360° Spherical</td></tr>
<tr><td>3840×1920/15fps</td><td rowspan="2">Stitched</td></tr>
<tr><td>1920×960/30fps</td></tr>
<tr><td colspan="3">(1:1)</td></tr>
<tr><td>2880x2880/24fps</td><td colspan="2" rowspan="2">Dome Mode / 235° Spherical</td></tr>
<tr><td>1920×1920/30fps</td></tr>
<tr><td colspan="3">(16:9)</td></tr>
<tr><td>3840x2160/30fps</td><td colspan="2" rowspan="3">Front Mode / [16:9] Full Frame</td></tr>
<tr><td>1920x1080/60fps</td></tr>
<tr><td>1280x720/60fps</td></tr>
<tr><td colspan="3">High-speed Movie :</td></tr>
<tr><td>1280×640/120fps(2:1)</td><td colspan="2">VR Mode / 360° Spherical</td></tr>
<tr><td>1280x720/120fps(16:9)</td><td colspan="2">Front Mode / [16:9] Full Frame</td></tr>
<tr><td rowspan="2">File Format</td><td>Still Image</td><td colspan="3">Exif 2.3 (JPEG)</td></tr>
<tr><td>Movie</td><td colspan="3">MP4 [Image: H.264; Audio: AAC(Stereo)]</td></tr>
<tr><td>Camera Modes</td><td colspan="4">VR Mode (Lens A and Lens B), Round Mode (Lens B), Front Mode (Lens A)</td></tr>
<tr><td>Shooting Modes</td><td colspan="4">Photo, Hi-Speed Movie, Movie, Burst</td></tr>
<tr><td>Splash proof</td><td colspan="4">Equivalent to JIS/IEC IPX5 (Body)</td></tr>
<tr><td>Shockproof</td><td colspan="4">Up to 2m (with lens cover)</td></tr>
<tr><td>Dustproof</td><td colspan="4">Equivalent to JIS/IEC (IP6X)</td></tr>
</table>

Freeze-proofing	-10°C	
LCD	1.0 inch TN LCD (With Backlight)	
Level Gauge	3 Axis	
ISO Sensitivity	Auto (100~1600) (Photo)	Auto (100~800) (Movie)
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 256GB Support)	
Language	English	
Interface	USB 2.0 (Micro 5 pin USB) , HDMI (Type D), Stereo Microphone Input (Diameter of 2.5mm)	
Wi-Fi	Supported (802.11b/g/n)	
NFC	Supported	
BLUETOOTH	Supported (BLE4.1)	
BLUETOOTH Remote Control-D	Supported	
BLUETOOTH Remote Control-C	Supported (Option)	
Power	Rechargeable Li-ion Battery LB-080, 3.6V 1250mAh, In-Camera Charging	
Shooting Capability (Battery Performance)	Approx. 150 shots (Based on CIPA Standards) (Wi-Fi on) Approx. 80 minutes for Video (@3525x2644 /15fps) (Wi-Fi on)	
Operation Environment	Temperature: -10 ~ 40°C, Humidity: 0 ~ 90%	
Dimensions (W×H×D)	Approx.55.0×55.0×66.9 mm (without lens cover) (Based on CIPA Standards)	
Weight	Approx. 130g (only body) Approx. 156g (with battery and memory Card)	

Prompts and Warning Messages:

Message	Description	Recommended Action
	■ There are too many files, which may cause a delay in powering on. ■ When pressing the ⦿ button for recording, the memory card cannot be accessed because there are too many folders/files.	■ After copying the files to your computer, choose to delete or reformat Micro SD Card.
	■ No memory card is detected in the camera.	■ Insert your memory card.
	■ 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 your computer, choose to delete or reformat Micro SD Card.
	■ The memory card still cannot be recognized after formatting. ■ An error occurs when reading the memory card. ■ An interruption has been encountered during shooting or recording so the camera cannot shoot or record any further.	■ Reformat the memory card.
	■ When the writing speed is too slow, recording cannot continue.	■ Please select a Class 10 memory card or higher for optimum performance.
	■ File processing (saving, formatting, etc.) time exceeds 2 seconds.	■ No action required.
	■ Connecting to your computer or TV.	■ The display will disappear after a successful connection.

Message	Description	Recommended Action
	■ The camera is set to "Mass Storage" device and is connecting to the computer via USB.	■ No action required.
	■ The camera is set to "Webcam" and is connecting to the computer via USB.	■ No action required.
	■ Connecting to a HDMI device.	■ No action required.
	■ A warning for low battery before the camera will shut down automatically. ■ The firmware cannot be updated with insufficient battery power.	■ Charge or replace with a new battery.
	■ Updating firmware.	■ No action required. The camera will turn off automatically after the update is complete.
	■ Battery temperature is too high. The product will automatically shut down.	■ Remove the battery carefully when the product is shut down. The battery can be used again after cooling down.

Trouble Shooting:

Problem	Possible Causes	Recommended Action
Camera does not turn on	■ The battery has been depleted. ■ The battery is installed incorrectly.	■ Charge the battery. ■ Follow the charging instructions in the manual to properly install the battery.
Blurred Images	■ There could be smudges or dirt on the camera's lenses or the lens covers.	■ Clean carefully with a clean, lint-free, dry cloth.
Failed to Connect to Wi-Fi	■ Wrong password entered.	■ Re-enter the password. If you have forgotten the password after changing it from the default factory password, you can use the reset function to restore the initial factory default password: 12345678
Slow Wi-Fi Connection	■ There are too many programs running simultaneously on your smart device.	■ Close other unnecessary programs and APPs connecting or running on your smart device.
Micro USB Connection Failure	■ The wrong USB connection mode has been selected.	■ Confirm the USB connection mode in the camera menu. If there is a need to read, save videos or photos, please select "Mass Storage". If there is a need to serve as a video chat (SKYPE) camera, please select "Webcam".

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