



User Manual

PIXPRO SP360 4K

(Smart Device Version)

For

KODAK PIXPRO SP360 4K Action Cam

Before You Start

Declaration of Conformity

Responsible Party: JK Imaging Ltd.

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About this Manual

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- All trademarks mentioned in this manual are used for identification purposes only and are properties of their respective owners.
- This manual will instruct you on how to operate the PIXPRO SP360 4K. JK Imaging Ltd. has tried its utmost to ensure the correctness of the user manual contents, but reserves the right to modify as necessary.
- Throughout this manual, the following symbols are used to help you locate information quickly and easily:



Indicates useful information.



Indicates long pressing a certain point.




Indicates tap a certain point.






Matters needing attention

- Your smart device operating system version needs to be iOS 7 or higher, or Android 4.3 or higher. iPad mini1 / iPad 2 / iPhone 4s and earlier models (any system versions) do not support this App.
- 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.
- Please do not use Wi-Fi or NFC connection functionality on a plane.
- When using the Wi-Fi or NFC connection, the camera and the smart device can only be connected one to one, please keep the camera within 10 meters (32.8 feet) without signal shielding interference.
- When the smart device judges the system to be out of memory, the App will not be able to run normally. Please clean up the memory of the smart device.
- We will update the App from time to time. Some new features require you to synchronously update the firmware version of the camera, in order to ensure the stability of the system. Please note for the prompt on the App.

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Connecting the Camera with the Smart Device

> Download and Install App

Please download App installation package  (App name: PIXPRO SP360 4K) to your smart device from the path below and install it.


■ Android system

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



<https://play.google.com/store/apps/details?id=com.jkimaging.pixproremoteviewer>

■ iOS system

For Apple devices, search and download the App “PIXPRO SP360 4K”  in App store, and install it following the instructions on the interface.




<https://itunes.apple.com/us/app/pixpro-remote-viewer/id833154167?mt=8>

After successful installation, this icon  will appear on the smart device screen.

> Establish a Connection


>1 Wi-Fi Connections (iOS System and Android System)

1. Camera: Check SSID (PIXPRO-SP360-4K_XXXX) and password (initial password: 12345678) indicated on the label in the battery compartment of the camera. In the main interface, press the button  to switch to Wi-Fi mode.
2. Smart Device: Enable Wi-Fi mode, it will automatically search the nearby Wi-Fi hotspots. Select the camera's SSID (PIXPRO-SP360-4K_XXXX) and input the password.



To optimize Wi-Fi performance, please close other unnecessary programs running on the smart device.





For an Android system smart device, you can directly tap the App icon  to enter the "Select connecting device" screen. Select the SSID name of the camera to be connected, enter an eight-digit password, and tap "Connect".

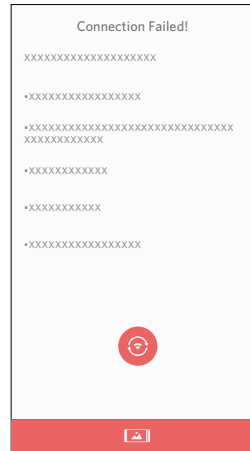
>2 NFC Connections (Android System)



1. Enable NFC mode on your smart device.
2. Use your smart device to slightly 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.

 If connection fails, tap  to try to reconnect.






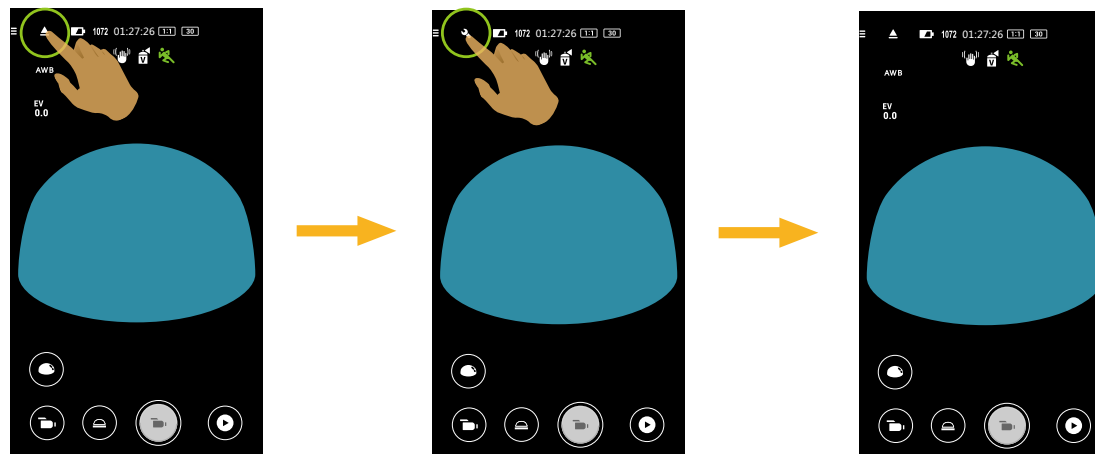
 When it is unnecessary to connect to the camera or unable to connect the camera, tap the icon  on the screen of the smart device to perform related operations under the playback mode of the smart device.

Operation Methods

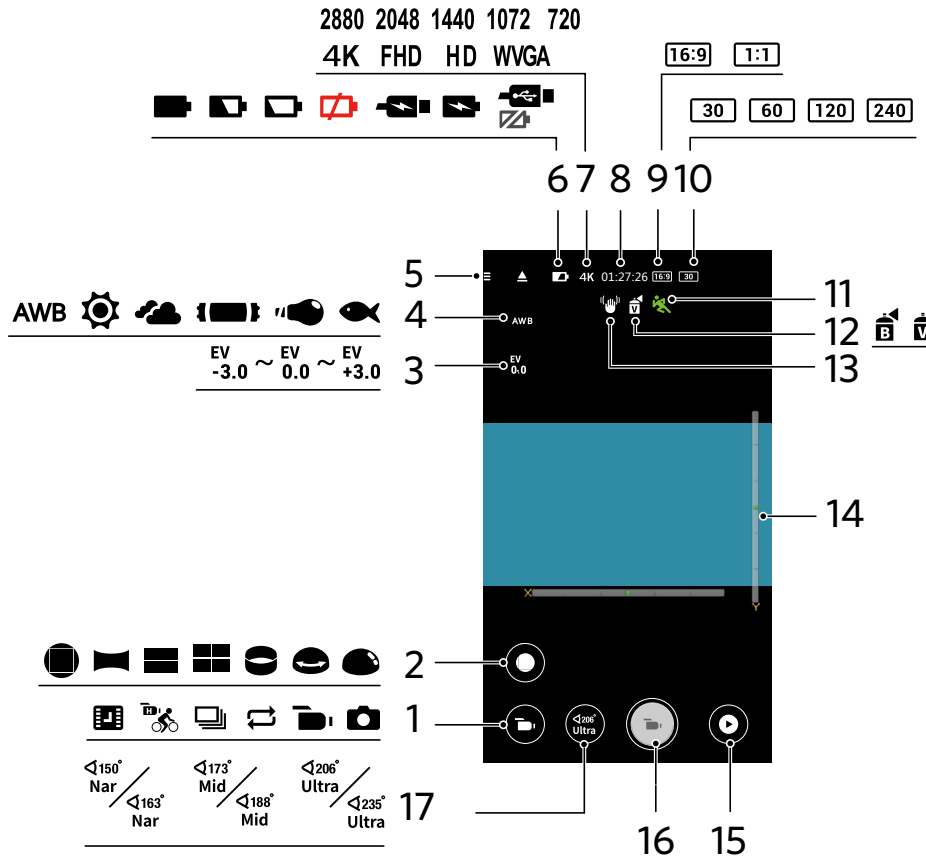
> Remote Viewfinder

>1 Remote Viewfinder Interface

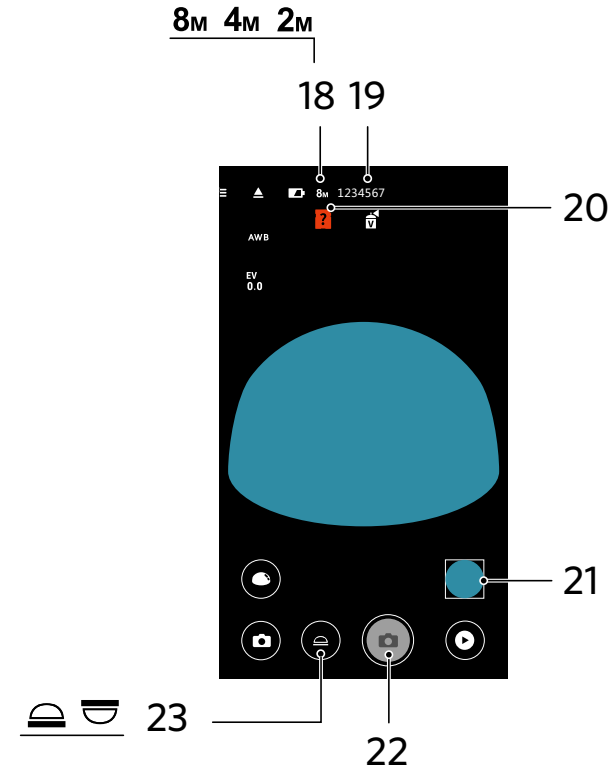
 On the Remote Viewfinder interface, tap  , EV value and White balance icons to hide, and tap  to restore display.





Movie Interface



Shooting Interface

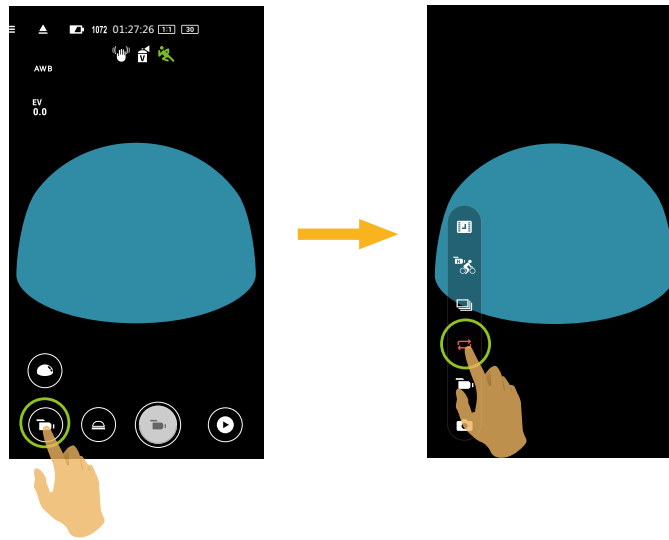


1	Shooting mode	7	Movie size	13	EIS	19	Number of photos that can be taken
2	Unfold mode	8	Recordable video time	14	Level Sensor	20	No memory card in the camera
3	EV value	9	Pixel ratio	15	Playback	21	Review
4	White balance	10	Frame rate	16	Start video recording  / Stop video recording 	22	Shutter
5	Menu	11	Motion detection	17	Field of view	23	View mode
6	Battery state	12	Color effects	18	Image size		

>2 Parameter Settings

Shooting Mode

Tap the Shooting Mode icon to enter the Mode Selection screen. Tap any of the options to confirm selection.



Auto Mode 📷

Enables photo shooting.

Movie mode 📹

Enables video recording.

Loop Recording

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.



A new folder is created for every loop recording.

Continuous Shot

It automatically stops after 10 photos are shot at a time (the shutter is pressed down and not retained).

High FPS Movie

The product shoots ultra high speed movies, and plays back with normal 30fps speed, in order to capture visually indistinguishable moments easily.



The video is not capable of recording voice and does not support electronic image stabilization (EIS).

Time-lapse Movie

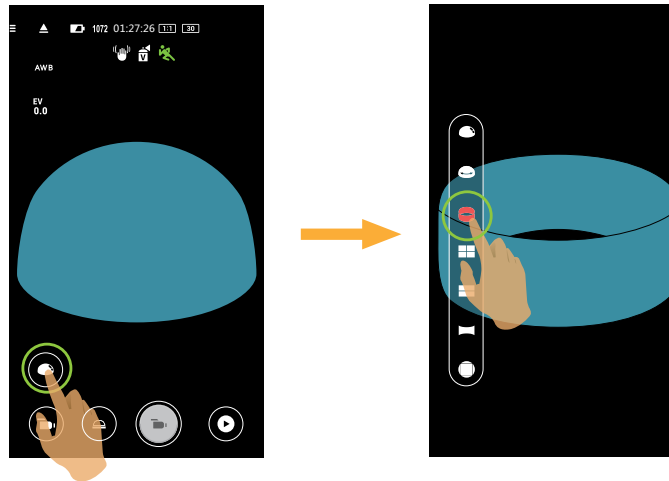
Videos are recorded at preset time intervals (1 sec. / 2 sec. / 5 sec. / 10 sec. / 30 sec. / 60 sec.).



The sound cannot be recorded.

Unfold Mode

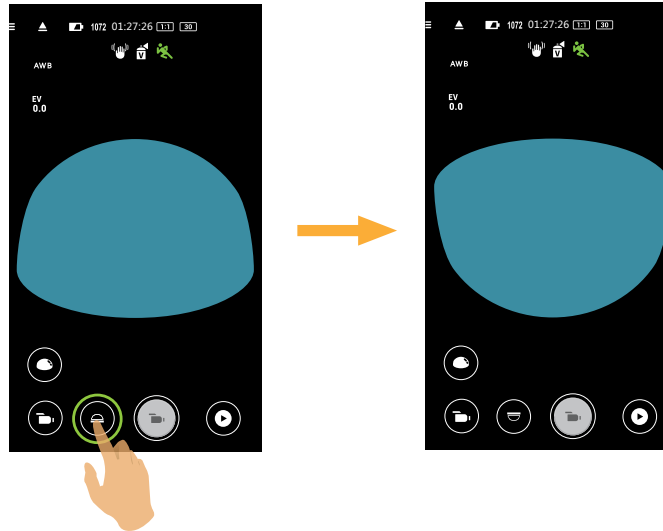
Select from several different viewing effects.




Type	Icon	Mode	Operating methods (moving via sliding the finger around)
Front		Front	-
Global		Panorama	Move to the left/right
		Seg	Move up/down (Enlarge image) , move to the left/right
		Quad	Move up/down, move to the left/right
		Ring	Flip up/down, move to the left/right
		Magic flat	Move up/down, move to the left/right
		Dome	Flip up/down, move to the left/right

View Mode

Select the icon according to the direction that the camera lens is facing, so the image will be displayed in the upright direction.





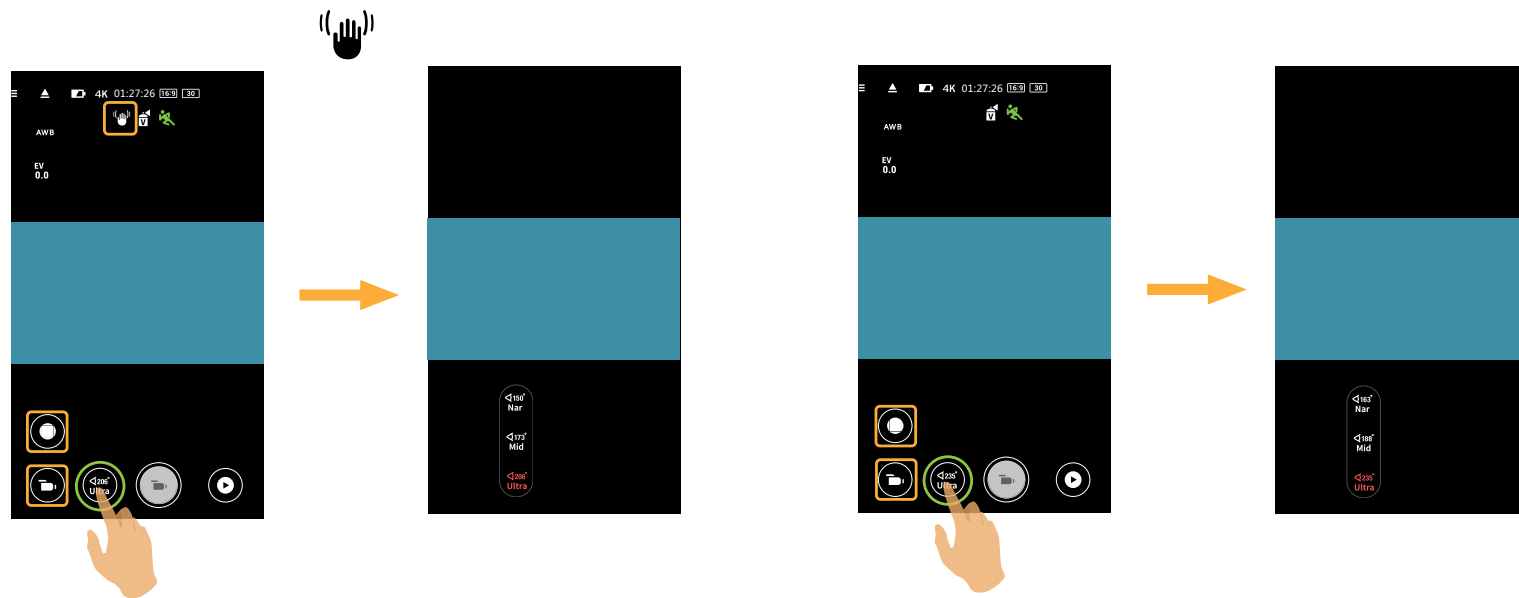
Icon	Mode	Description
	Up	Means the image will be displayed upright when the lens is facing upward.
	Down	Means the image will be displayed upright when the lens is facing downward.

 In the Front mode, this function is not displayed.


Field Of View

Field of View sets the viewing angle.

The function is supported only in Front unfold mode () of Movie Mode ().



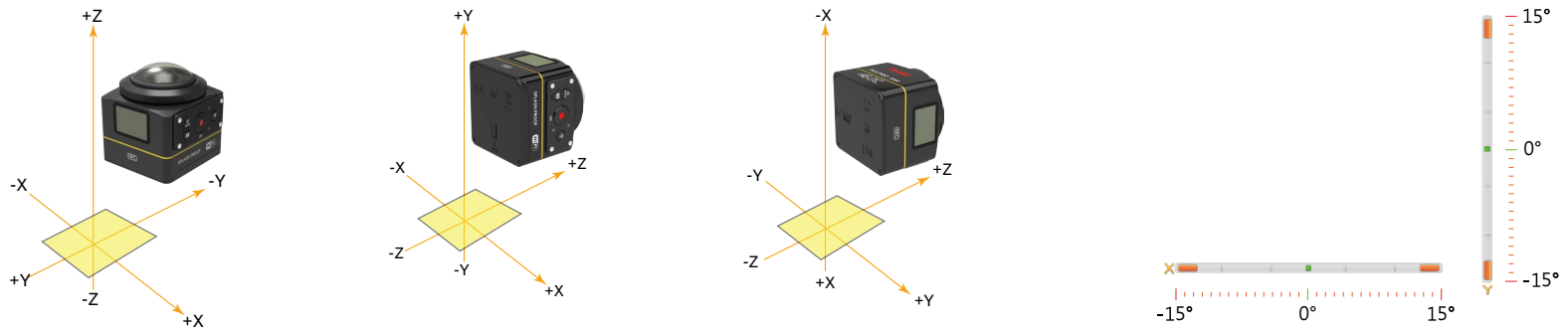
There are 3 options:

	<ul style="list-style-type: none"> Ultra Wide 	<ul style="list-style-type: none"> Middle 	<ul style="list-style-type: none"> Narrow
EIS (On) 	<p>◁206° Ultra</p>	<p>◁173° Mid</p>	<p>◁150° Nar</p>
EIS (Off)	<p>◁235° Ultra</p>	<p>◁188° Mid</p>	<p>◁163° Nar</p>

Level Sensor

Detect the horizontality of the camera.

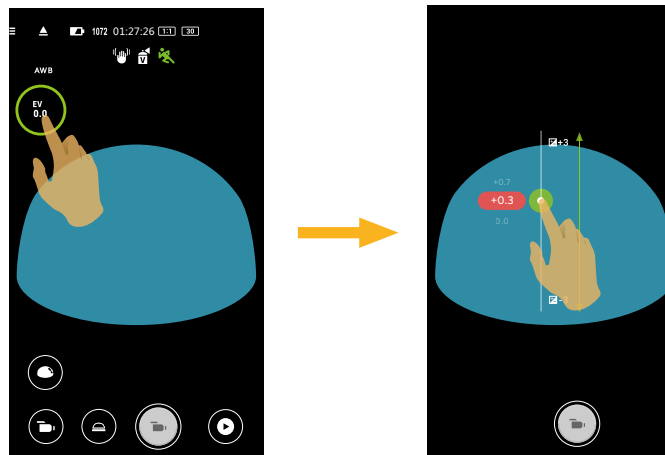
Horizontal and vertical bar represent two directions parallel to sea level. Set the center of the horizontal bar and the center of vertical bar as base points. There are 15 sections on both up and down side from the base point for the vertical bar and 15 sections on both left and right side from the base point for the horizontal bar. Each section represents inclination of 1° . When the tilt angle is more than 50° , the axial directions corresponding to the horizontal bar and vertical bar will change.



EV settings

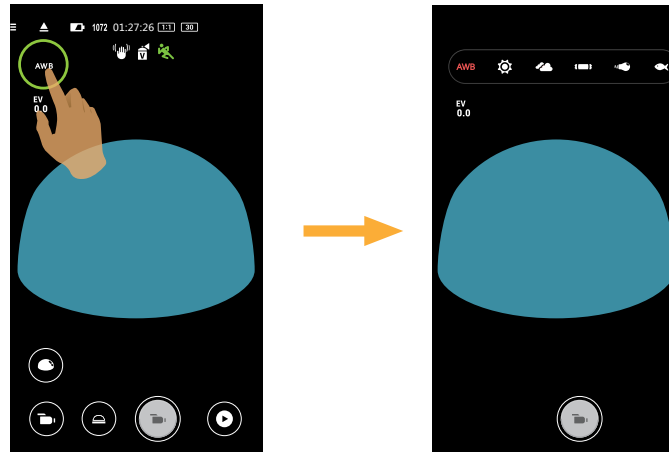
Adjust the brightness of framing interface. It is applied to the circumstance where the contrast of shot subject and background brightness is relatively large.

EV value can be adjusted through sliding a finger up and down.








White Balance




The WB function allows the user to adjust color temperatures under different light sources, so as to confirm that the color can be presented properly.



There are 6 options:

- **AWB** AWB
-  Daylight
-  Cloudy
-  Fluorescent
-  Incandescent
-  Underwater

Menu

Tap  to show a settable menu. Tap the Menu Items to be set to enter the Item Options screen. Tap  Options to return to the Menu screen. Tap  to return to the Remote Viewfinder screen.

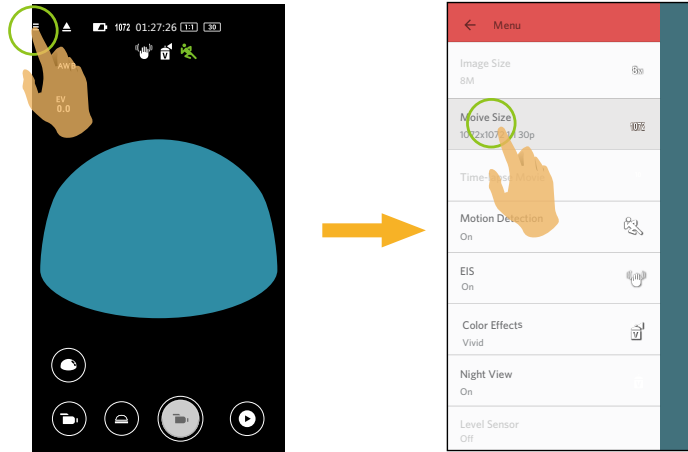


Image Size

Set photo resolution.

There are 3 options:

- 8M 2880x2880 (1:1)
- 4M 2304x1728(4:3)
- 2M 16:9 1920x1080

Movie size

Set video resolution.

There are 15 options:

Movie size	Supported recording mode
• 4K 16:9 30p (3840x2160)	 /  / 
• FHD 16:9 60p (1920x1080)	
• FHD 16:9 30p (1920x1080)	 /  / 
• 1280x720 16:9 60p	
• 1280x720 16:9 30p	 /  / 
• 1280x720 16:9 120p	
• 848x480 16:9 60p	
• 848x480 16:9 240p	
• 2880x2880 1:1 30p	 /  / 
• 2048x2048 1:1 30p	 /  / 
• 1440x1440 1:1 60p	
• 1440x1440 1:1 30p	 /  / 
• 1072x1072 1:1 60p	
• 1072x1072 1:1 30p	 /  / 
• 720x720 1:1 120p	









When recording in higher pixel resolutions for extended periods of time, the camera may get warm. This is not a camera malfunction. Please shut down until the body temperature is lowered, and then start to use.

Time-lapse Movie

Set the time interval of recording.


There are 6 options:

- 1 sec. ()
- 2 sec. ()
- 5 sec. ()
- 10 sec. ()
- 30 sec. ()
- 60 sec. ()

Motion Detection

Set the dynamic recording switch.


There are 2 options:

- Off
- On ()



EIS



Set the electronic image stabilizer switch.

There are 2 options:

- Off
- On ()





Electronic image stabilization (EIS) is available only at scales below in the recording mode ( / ):

Recording mode	Movie size	
	<ul style="list-style-type: none"> ▪ 4K 16:9 30p ▪ FHD 16:9 60p ▪ FHD 16:9 30p ▪ 1280x720 16:9 60p ▪ 1280x720 16:9 30p ▪ 848x480 16:9 60p 	<ul style="list-style-type: none"> ▪ 2880x2880 1:1 30p ▪ 2048x2048 1:1 30p ▪ 1440x1440 1:1 60p ▪ 1440x1440 1:1 30p ▪ 1072x1072 1:1 60p ▪ 1072x1072 1:1 30p
	<ul style="list-style-type: none"> ▪ 4K 16:9 30p ▪ FHD 16:9 30p ▪ 1280x720 16:9 30p 	<ul style="list-style-type: none"> ▪ 2880x2880 1:1 30p ▪ 2048x2048 1:1 30p ▪ 1440x1440 1:1 30p ▪ 1072x1072 1:1 30p

Color Effects

Set the color effects of photos.

There are 3 options:

- Normal
- Black & White ()
- Vivid ()



Night View

Set the night shooting switch.

There are 2 options:

- Off
- On



The function is supported only in the modes  and .


Level Sensor

Set the level sensor.

There are 2 options:

- On
- Off



This feature is only activated in the front unfold mode ().

Wi-Fi Saving

The Wi-Fi will automatically disconnect if you do not touch the smart device screen within three minutes after starting to record. However, the camera will continue recording.

There are 2 options:

- On
- Off

Touch Capture

Tap the Touch Focus icon or enter the menu for setting.

There are 2 options:

- On
- Off

Format SD (DSC)

Clear all data stored in the memory card.

There are 2 options:

- FORMAT
- CANCEL

Reset

Reset settings (except for Date and time, Wireless AP point SSID and password, UID and password in the "remote monitoring") can recover all product settings to the factory defaults.

There are 2 options:

- RESET
- CANCEL





After resetting, the camera will power off automatically.

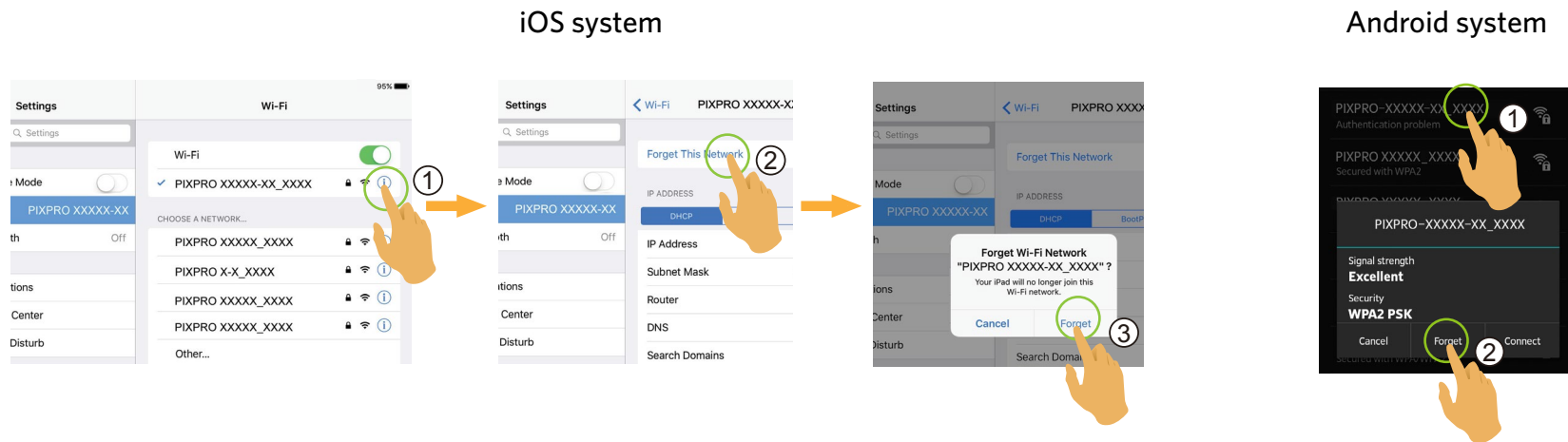
Change Password

Change the Wi-Fi connection password.

Enter the old password according to the screen tips, and then enter the new password twice, and finally Tap "Update".

 If you forget the Wi-Fi connection password, you can use the reset function on the camera to reset it (initial password: 12345678).





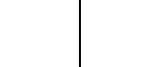


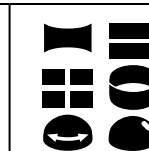
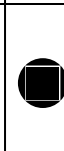
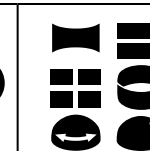

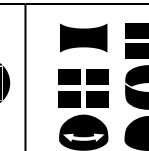

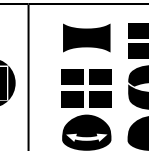
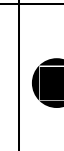
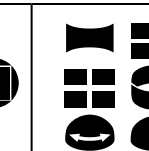
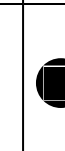
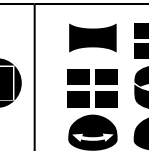
 Please enter the new password on smart device after changing Wi-Fi password. Some models of smart device will remember the Wi-Fi password previously entered, so please clear the old password on smart device manually before connection (For different models, this operation may be varied, please subject to your user manual).




About









- View the current version of the App.
- View the firmware version of the camera in the App connection status.
- Tap the official website on the interface and you can go to the website for more information.

Menu that can be adjusted under each mode: (O: Optional X: Not optional)


Menu \ Mode												
												
EV value	O	O	O	O	X	X	O	O	X	X	X	X
White balance	O	O	O	O	O	O	O	O	O	O	O	O
Unfold mode	O	O	O	O	O	O	O	O	O	O	O	O
View mode	X	O	X	O	X	O	X	O	X	O	X	O
Size	O	O	O	O	O	O	O	O	O	O	O	O
Time-lapse movie	X	X	X	X	X	X	X	X	X	X	O	O
Motion detection	X	X	O	O	X	X	X	X	X	X	X	X
EIS	X	X	O	O	O	O	X	X	X	X	X	X
Color effects	O	O	O	O	X	X	O	O	X	X	X	X
Night view	X	X	O	O	O	O	X	X	X	X	X	X
Level sensor	O	X	O	X	O	X	O	X	O	X	O	X
Wi-Fi saving	O	O	O	O	O	O	O	O	O	O	O	O
Touch capture	O	O	X	X	X	X	O	O	X	X	X	X

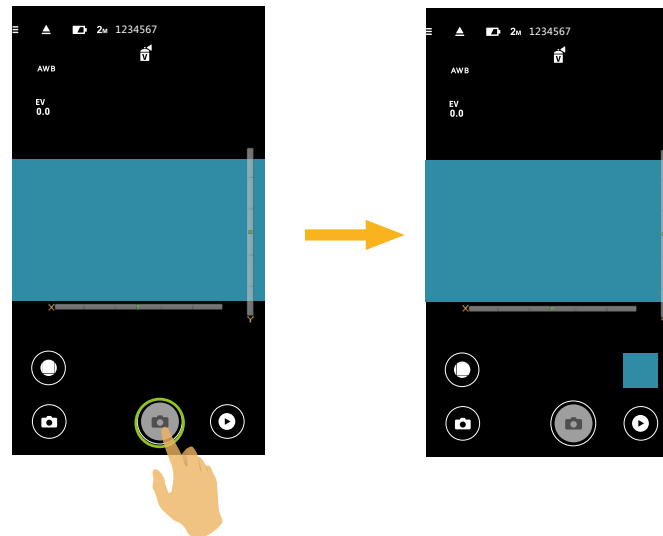
>3 Shooting Method

 All files are saved on the memory card of the camera.


 Select  , and the stored video or photo files are square; select  /  /  /  /  /  , and the stored video or photo files are global.



Shooting

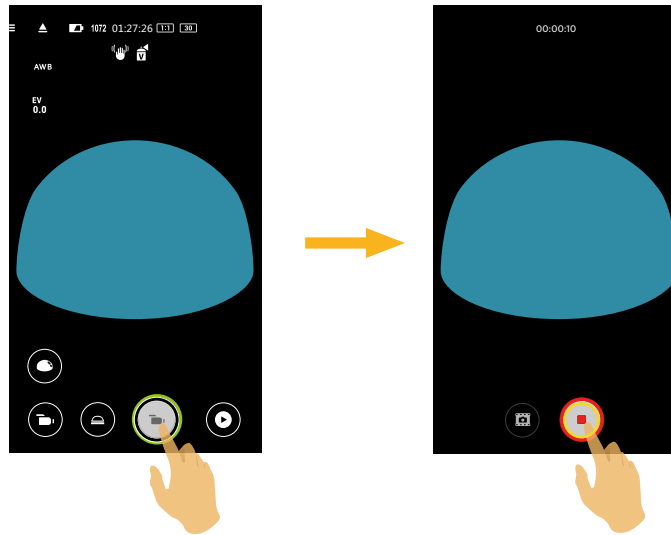
1. Align the camera lens with the shooting subject, and confirm viewing through the screen of the smart device.
2. Tap the icons on the interface to set the corresponding parameters.
3. Tap  to take a shoot.





Video Recording

Tap the Shooting Mode icon on the Shooting screen to enter the Mode Selection screen, and tap  to enter the Video Recording screen.

1. Tap the icons on the interface to set the corresponding parameters.
2. Tap  to start recording and then tap  to stop.






 In the recording process, you can tap  to take photos. The size of the shot photos is fixed at 8M or 2M.

> Playback

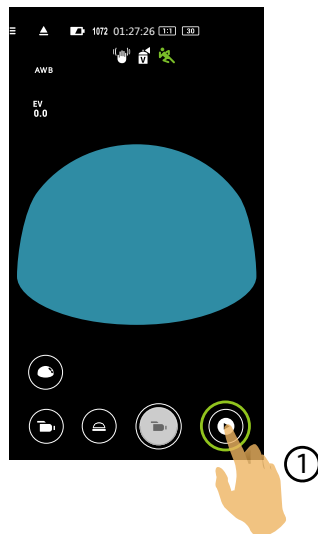
There are two playback modes:

- Single playback (movie / photo);
- Index playback (camera/smart device).

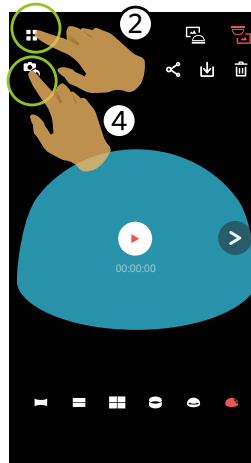
>1 Switching of the Remote Viewfinder Mode and the Playback Mode

1. Tap  to enter the camera Single playback interface.
2. Tap  to enter the index playback interface.
3. Tap any small figure to enter the single playback interface.
4. Tap  to enter the remote viewfinder interface.

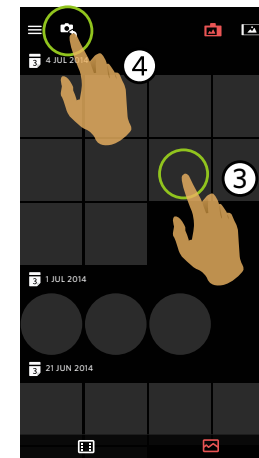
Remote Viewfinder interface





Single playback interface

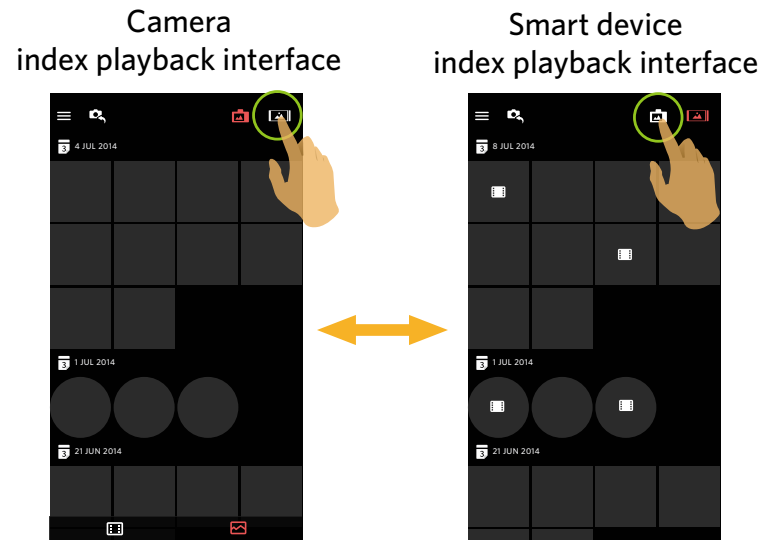




Index playback interface



>2 Switching Camera and Smart Device Index Playback

1. On the camera index playback interface, tap  to enter into the smart device index playback interface.
2. On the smart device index playback interface, tap  to enter into the camera index playback interface.



-  On the smart device index playback interface, tap a small figure to enter into the smart device Single playback interface.
-  On the camera index playback interface, tap a small figure to enter into the camera Single playback interface.

>3 Introduction of the Icons in the Playback Mode

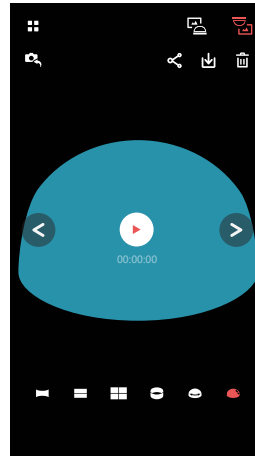
Single Playback

Camera

Photo playback interface

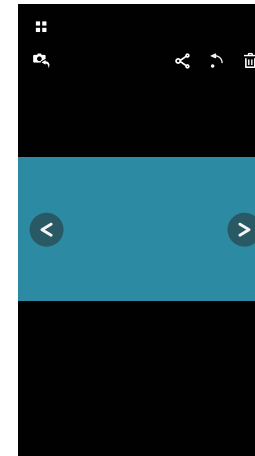


Video playback interface



Smart device

Photo playback interface



Video playback interface

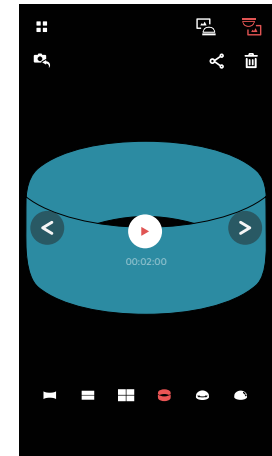
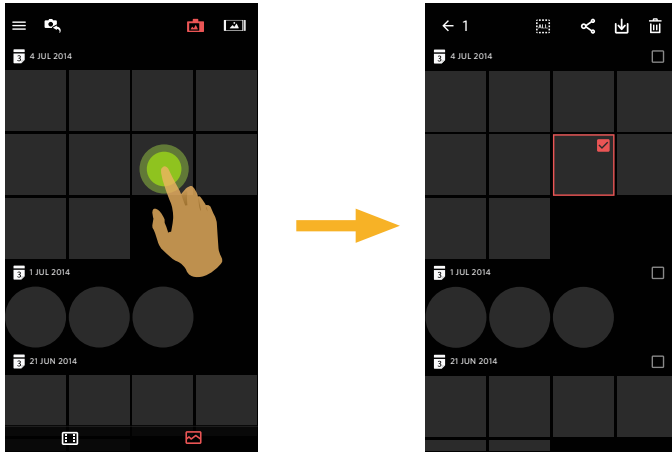


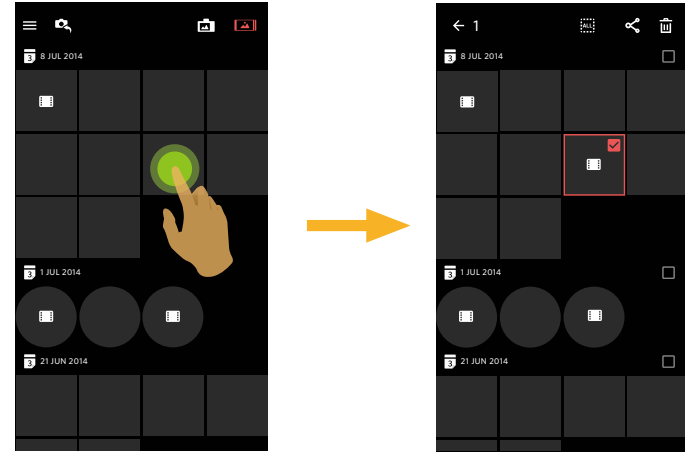
Photo or video	Enter index playback screen	Enter photo or movie mode
	Share the current photo or video to social networks	Download the current photo or video to the smart device
	Delete the current photo or video	Rotate the photo
	Play the video	
	Switching to the previous photo or video	Switch to the next photo or video
Spherical photo or video	The image is displayed in an erected direction	The image is displayed in an inverted direction
	Panorama	Seg
	Quad	Ring
	Magic flat	Dome










Index Playback

Camera 



Smart device 



 Menu	 Return to the previous interface
 Enter photo or movie mode	 To select all files
 Select multiple files to share	 Enter the download mode to move the files in the camera into the smart devices
 Select multiple files to delete	
 Video files	 Photo files

>4 Description of the Functions in the Playback Mode

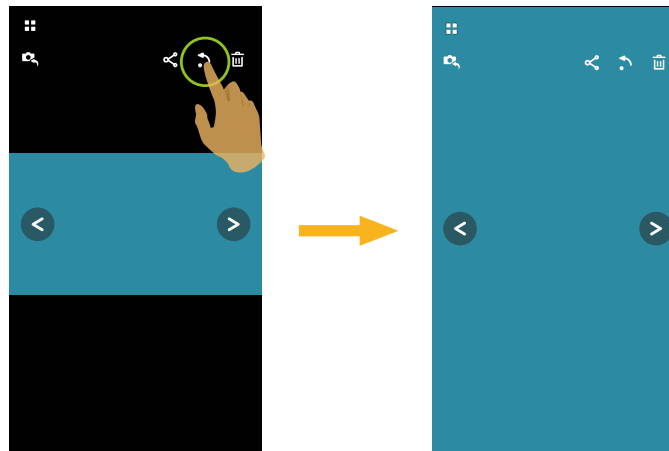
Gestures in the Playback Mode

1. Hide/display the icons: Single finger tap the photo or video once.
2. Zoom in (except for front video): Quickly tap the photo or video twice or use two fingers apart to expand the photo or video (Sliding a finger to move around the photo or video).
Zoom out (except for front video): Quickly tap the photo or video twice again, and it will restore the original size or use two fingers folded to reduce the photo or video.
3. Browse fore-and-aft files: Tap ◀ / ▶ with one finger.

Rotate ↶ (Smart device single playback mode)

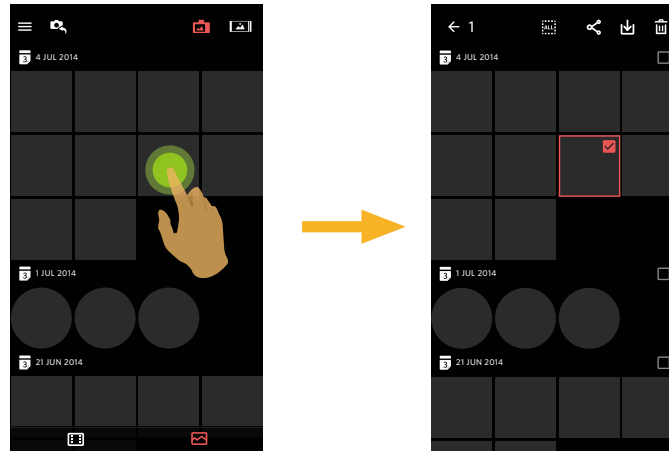
Rotate the photo by 90° (Only for Front photo).

Tap ↶, the photo will rotate 90 counter-clockwise each time this icon is pressed.

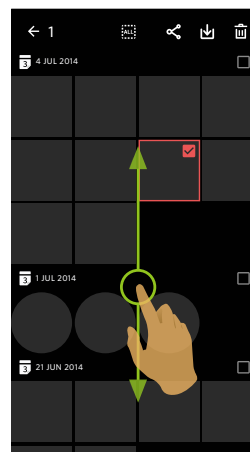


Select One or More File(s) (Camera and Smart device index playback mode)

1. Long press a file thumbnail to enter the Multiple-selection screen.

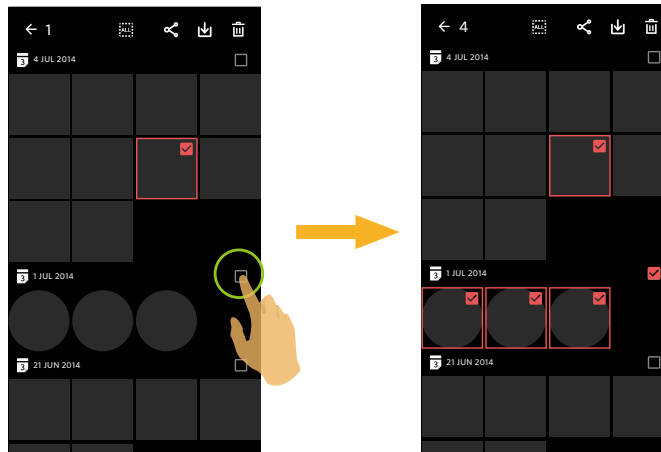


2. View fore-and-aft files by sliding a finger up and down on the screen.

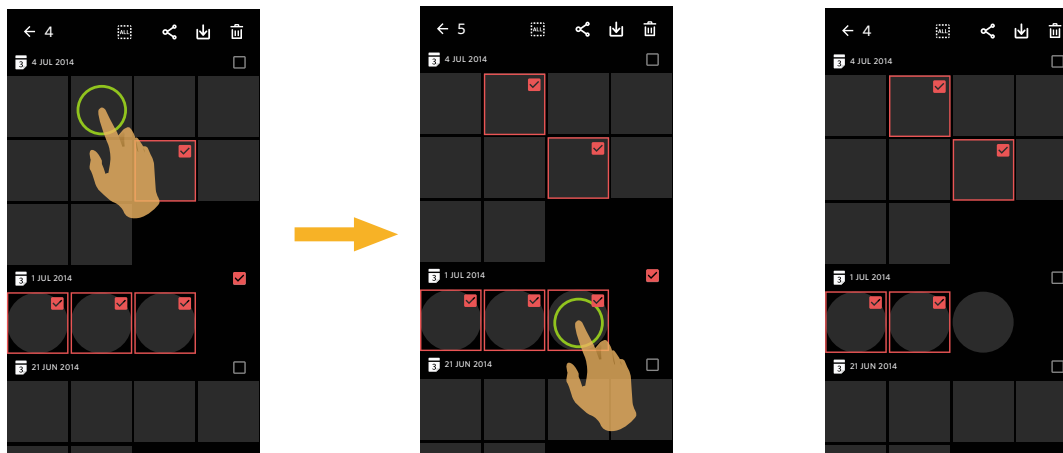




3. Select one or more file(s).

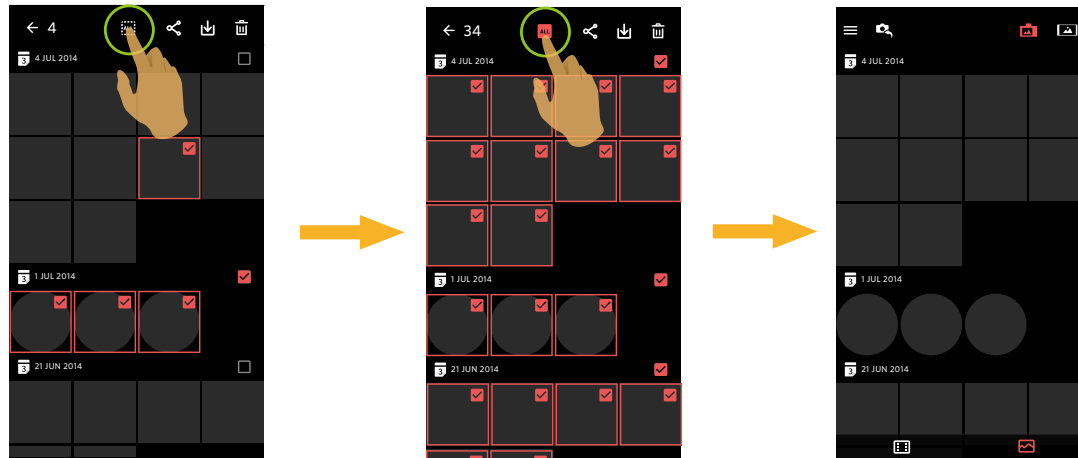
3.1. Tap after date folder (**3**) to select all files under the date folder;



3.2. Tap a file thumbnail to select a single file (tap again to cancel the selection);






3.3. Tap  to select all files; tap  to cancel the selections and return to the Index Playback interface.

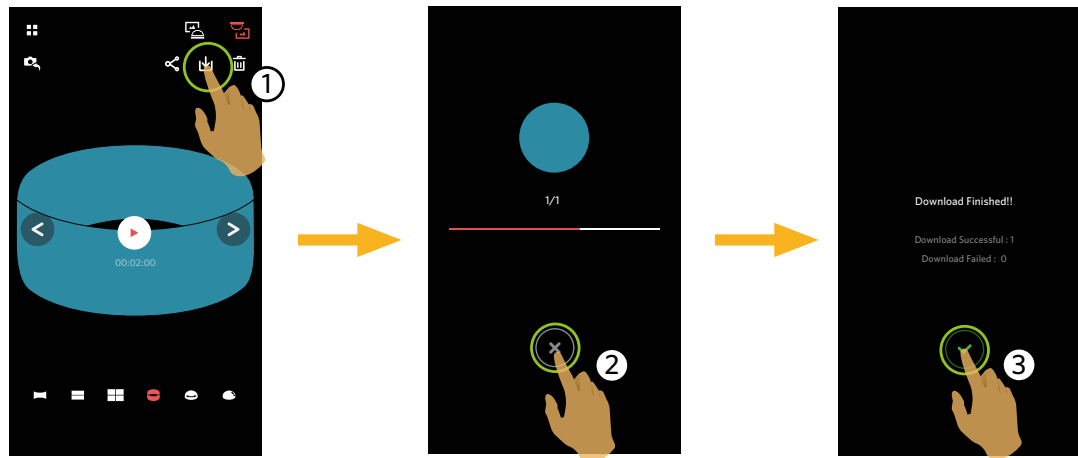


Download (Camera Single playback and index playback mode)




Download the photos or movie in the camera to your smart device.

Camera Single playback mode:

1. Select the file you want to download, and tap  to start downloading.
2. Tap  in the downloading process, and select "YES" in the pop-up interface to cancel downloading.
3. After downloading is complete, tap  to return to the playback interface.





Camera index playback mode:

1. Select one or more file(s) you want to download, and tap  to start downloading.
2. Tap  in the downloading process, and select "YES" in the pop-up interface to cancel downloading.
3. After downloading is complete, tap  to return to the playback interface.

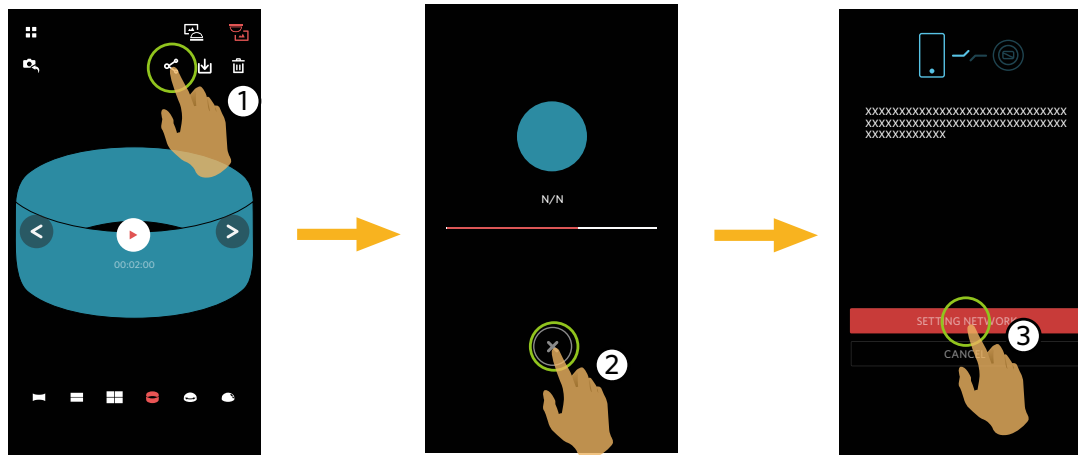
Share

Share the photos or videos to the social network site.

Camera single playback and index playback mode:

1. Select one or more file(s) you want to share, and tap  to start downloading.
2. Tap  in the downloading process, and select "YES" in the pop-up interface to cancel downloading.
3. After the download is completed, the photos or videos on the smart device can be shared.

- When the mobile data network is open: Select the social network site to share.
- Mobile data network not open:
 - iOS system
Please share according to the interface prompt.
 - Android system



[SETTING NETWORK] : Open mobile data network or Wi-Fi for internet access.

[CANCEL] : Cancel sharing.



After the “SETTING NETWORK” is selected and the network is switched, the interface has 3 options:

“SETTING NETWORK”: Change the network settings.

“SHARE”: Select the social network site to share.

“CANCEL”: Cancel sharing.



When the network is changed, the App will close automatically.


Smart device single playback and index playback mode:

Please share according to the operating methods for sharing in single playback and index playback mode of the camera.


Delete

Delete the selected photos or videos.

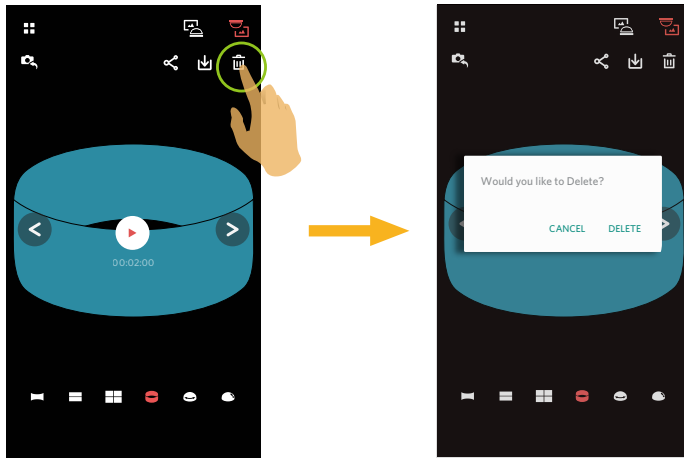
Index playback mode:

1. Select one or more file(s) you want to download, and tap  .
2. Select “DELETE” to confirm the deletion in the pop-up prompt screen.

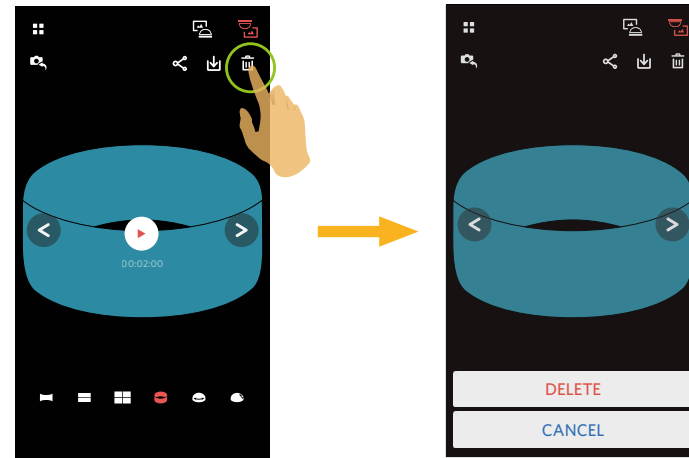
Single playback mode:

1. Select the file you want to delete, and tap .
2. Select "DELETE" to confirm the deletion in the pop-up prompt screen.

Android system







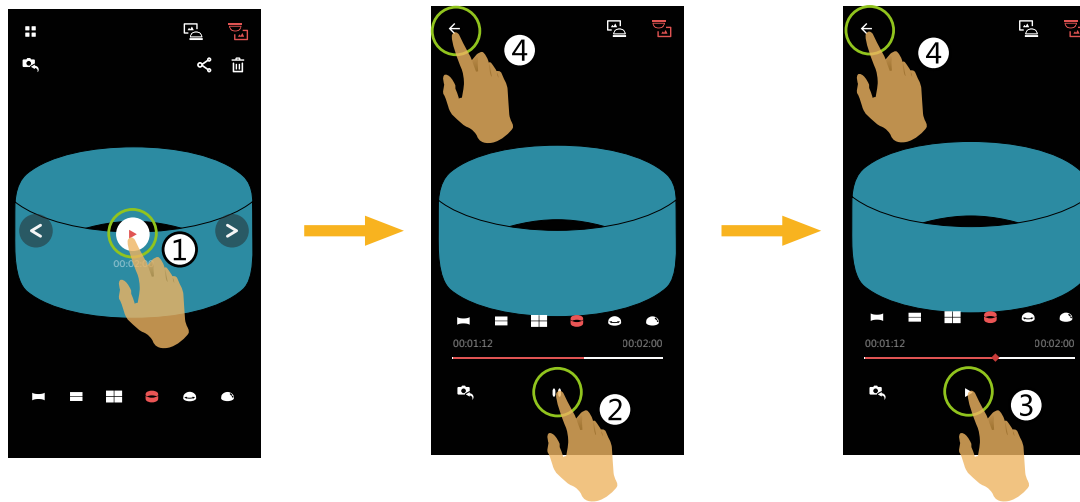
iOS system



Play the Video (Camera and Smart device single playback mode)

Slow wireless transmission may impact viewing. We suggest downloading the file to your device before viewing.

1. Tap  to play the video.
2. Tap  to pause the video.
3. Tap  to continue the video.
4. Tap  to return to the previous interface.



If the smart device does not support the video resolution of 1440 x 1440 1:1 30p, the screen will be black while playing the video. Please use SP360 4K model (PC version) then.

Menu ≡ (Camera and Smart device index playback mode)

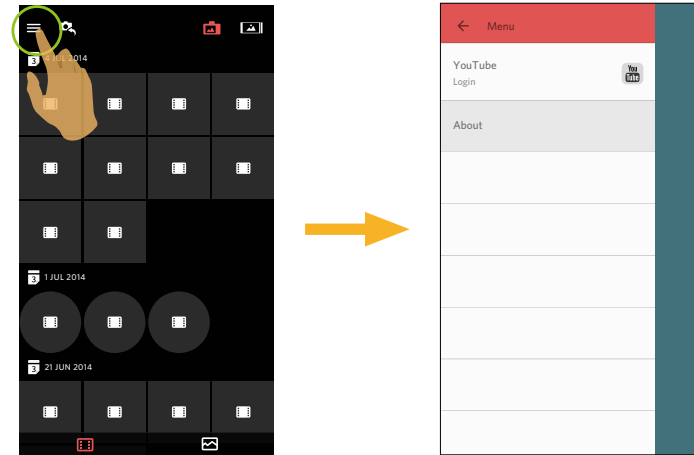
1. Tap ≡ to display the menu.
2. Tap your desired setup item.
3. Tap the option to return to the Menu.
4. Tap ← to return to playback interface.

YouTube

This option is only under the iOS system.

About

See Page 24 for explanations.





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