

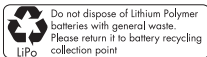


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Action Camera

USER MANUAL

Please read this manual carefully before use.

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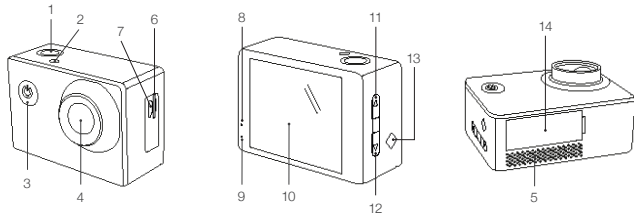
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Box contents

- Kitvision Action Camera
- 30 m waterproof case
- Bicycle mount
- Camera clip with screw
- Flat adhesive mount
- 90 degree adaptor
- Action camera to ¼" tripod adaptor
- Mounting straps
- Micro USB cable
- Battery
- 2 x adhesive pads
- User manual

Functions

- | | |
|------------------------|-----------------------|
| 1. Shutter/Ok | 8. Power indicator |
| 2. LED indicator | 9. Charging indicator |
| 3. Power/Mode | 10. Built-in LCD |
| 4. Lens | 11. Up |
| 5. Built-in microphone | 12. Down |
| 6. Micro SD card slot | 13. Built-in speaker |
| 7. Micro USB input | 14. Battery cover |



Instructions for use

Turning the power on and off

1. Long press Power/Mode (3) to turn on the camera. When turned on, the camera will make a 'chime' sound effect
2. Long press Power/Mode (3) to turn power off

Charging the battery

The camera has a built-in rechargeable lithium battery. Please fully charge the battery before use.

1. Turn off the camera
2. Connect the micro USB connector of the USB cable to the camera and the other end to a PC/mains charger USB port
3. The Charging indicator (9) will be solid red whilst charging

Note: The camera body may be warm after extended use. This is normal.

Removing the battery

1. Ensure the camera is powered off and not charging
2. Lift the Battery cover (14)
3. Pull the battery tab to remove the rechargeable battery

Inserting the memory card

The Kitvision Action Camera doesn't have any internal memory. To be able to record video or capture photos using the camera, you must have your micro SD card inserted (32 GB max, not included).

1. Ensure the camera is turned off
2. Insert your memory card into the micro SD card slot (6)
3. The camera uses the FAT32 filing system. If the micro SD card is incompatible, it will need formatting

Formatting a micro SD card

Your Kitvision Action Camera can format a micro SD card to ensure it functions correctly.





CAUTION: THIS WILL DELETE ALL DATA AND MEDIA from the micro SD Card

1. Insert your memory card into the micro SD card slot (6)
2. Turn on the camera and press Power/Mode (3) three times to enter setup mode.
If in another mode, press Power/Mode (3) until the setup mode icon is visible
3. Use Up (11) and Down (12) to navigate through the settings
4. Highlight 'Format' and press Shutter/Ok (1)
5. Use Down (12) to highlight 'OK' and press Shutter/Ok (1)

Changing the mode of the camera

The camera has 4 different modes: Photo mode, Video mode, Playback mode and Setup mode.

- The corresponding icon will display in the top left of the LCD to indicate the selected mode

Icon	Mode	Description
	Video mode	For recording video clips
	Photo mode	For taking still photos
	Playback mode	For viewing captured files
	Setup mode	For changing camera settings

Video mode

1. Turn on the camera and it will start in Video mode automatically. If in another mode, press Power/Mode (3) until the video icon is visible
2. Use the LCD (10) to view your shot, then press Shutter/Ok (1) to start recording
– when recording, the LED indicator (2) will flash, the LCD (10) will show how long it has been recording for
3. Press Shutter/Ok (1) again to stop recording

Note: The camera will stop recording and save automatically when the memory capacity is full or it has run out of battery power.

Note: For optimum audio quality, use the camera without the waterproof case. When using the camera without a case, please take extra care and make sure it does not get wet.

Note: Before recording, if you require audio for your footage, ensure audio is turned on.

Photo mode

1. Turn on the camera and press Power/Mode (3) once to enter Photo mode. If in another mode, press Power/Mode (3) until the photo icon is visible
2. Use the LCD (10) to view your shot, and press Shutter/OK (1) to take a still image
– after the image has been taken, the LED indicator (2) will flash

Playback mode

1. Turn on the camera and press Power/Mode (3) twice to enter Playback mode.
If in another mode, press Power/Mode (3) until the playback icon is visible
2. Use Up (11) and Down (12) to navigate through your files
3. When viewing a video, press Shutter/Ok (1) to play and pause

Setup mode

1. Turn on the camera and press Power/Mode (3) three times to enter Setup mode.
If in another mode, press Power/Mode (3) until the setup icon is visible
2. Use Up (11) and Down (12) to navigate through the settings
3. Press Shutter/Ok (1) to enter the sub menu for the highlighted setting
4. Use Up (11) and Down (12) to navigate through the available options
5. Press Shutter/Ok (1) to select the highlighted option

Setup mode – Available settings

MENU	FUNCTION
Video resolution	Change the resolution for when in video mode. Higher resolutions will record in better quality but will take up more memory [1280 x 720p] / [640 x 480p]
Date stamp	This function can be used to add a visible time and date stamp to the media. Please note you must also manually set this using the 'Date/Time' setting [OFF] / [ON]
Motion detection	This function can be used to start a recording when motion is detected in front of the camera [OFF] / [ON]
Loop recording	This function can be used to break up video files. When this option is turned on and the camera is recording, a video will automatically be split into smaller files based on the chosen time frame [OFF] / [1Min] / [3Min] / [5Min]

Record audio	This function can be used to mute the microphone [OFF] / [ON]
Exposure	This function will change how light or dark your media will appear [+2.0] / [+5/3] / [+4/3] / [+1.0] / [+2/3] / [+1/3] / [+0.0] / [-1/3] / [-2/3] / [-1.0] / [-4/3] / [-5/3] / [-2.0]
Camera resolution	Change the resolution for when in photo mode. Higher resolutions will take better quality images but will take up more memory [5MP] / [3MP] / [2MP] / [1.3MP]
Delete	This function can be used to permanently delete media [Delete Current] / [Delete All]
Protect	This function can be used to protect media from being overwritten [Lock Current] / [Unlock Current] / [Lock All] / [Unlock All]
Volume	Adjust the built-in speakers volume [0-8]

Format	Set up your micro SD Card to be used with your Kitvision Action Camera. CAUTION: THIS WILL DELETE ALL DATA AND MEDIA [Cancel] / [OK]
Language	Change the language of the camera [English] / [Simplified Chinese] / [Traditional Chinese] / [Japanese] / [French] / [German] / [Korean] / [Thai] / [Portuguese] / [Russian] / [Spanish] / [Hungarian]
Auto power off	This function can be used to turn the camera off after a specified time frame of inactivity [Off] / [1Min] / [3Min] / [5Min]
Screen saver	This function can be used to turn the display off after a specified time frame of inactivity [Off] / [1Min] / [2Min] / [3Min]
Default setting	This function can be used to reset the camera back to its default factory settings. This will not delete any media [Cancel] / [OK]

Frequency	Changes the TV output between 50 Hz (PAL) and 60 Hz (NTSC) [50 Hz] / [60 Hz]
Delay pictures	This function can be used to create a 3 second delay between when you press Shutter/OK (1) and when an image is captured [OFF] / [ON]
Date/Time	Change the date/time on the camera. Use Up (11) and Down (12) to alter the number and Shutter/OK (1) to proceed to the next option [Year / Month / Day / Hour / Minute]
Version	Select this option to view your model number and firmware version

Deleting and protecting media

1. Turn on the camera and press Power/Mode (3) twice to enter Playback mode. If in another mode, press Power/Mode (3) until the playback icon is visible
 2. Use Up (11) and Down (12) to navigate through your files until you have your chosen file on screen
 3. Press Power/Mode (3) to enter Setup mode. Use Up (11) and Down (12) to navigate through to the 'Delete' or 'Protect' option, and press Shutter/Ok (1) to confirm and follow the on screen instructions
- Choosing to delete/lock/unlock current will only affect the media that was being viewed before the setup mode was entered
 - Choosing to delete/lock/unlock all will affect all media

Shortcuts

Can be used when in Video mode

1. Press Up (11) to activate and de-activate the 'Record Audio' setting

Can be used when in Video or Photo mode

2. Press Down (12) to manually activate the screensaver

Connecting the camera to a PC

There are two ways to download files from the camera's micro SD to a computer:

- By connecting the micro SD card to a computer using a card reader (not included)
- By connecting the camera to a computer using the supplied micro USB cable

To upload your files to a computer, select 'Mass storage' from the options displayed.

Waterproof case

The Kitvision Action Camera includes a case that is waterproof up to 30 metres.

When using the camera in a wet environment, always use the waterproof case.

It is recommended that the case be used at all times for protection reasons.

- You are advised to test the waterproof case empty by submerging it in water to ensure that it does not malfunction
- Make sure the seal is clean before use. Wax, oil, dirt, sand or other poor conditions will weaken the bond and may cause damage to the camera
- Before use ensure the case is closed and the clip is firmly in place to ensure the seal has full contact over the entire surface

Using the waterproof case

1. Open the waterproof case by releasing the clip on the top of the case. To do so, pull the front of the clip backwards and remove the camera
2. Insert the camera correctly so that the case closes easily and provides a tight seal
3. Position the clip so that it makes a connection with the top of the rear door, and push the clip down to lock it in place
4. Use the waterproof case's external spring buttons to operate the camera

Specifications

Lens	90 degree
Video resolution	720P / VGA
Image resolution	5 MP / 3 MP / 2 MP / 1.3 MP
Display	2" LCD
Working temp	-10~+50°
Waterproof	30 m

USB interface	USB 2.0
Storage	TF Supported (up to 32 GB)
Battery	3.7 V, 900 mAh rechargeable battery
Recording time (per charge)	up to 90 minutes
Dimensions	H59.2 x W41 x D29.8 (mm)
Video format	AVI
Image format	JPEG
Audio	WAV (Bitrate: 176 kbps)
White balance	Auto
Shutter control	Electronic
Operation System Compatibility	Windows 98 / me / XP / Vista / 7 / Mac OS / Linux

Care for your Kitvision Action Camera

Please DON'T:

- Get the camera wet, unless sealed in the included waterproof case
- Drop the camera as this will invalidate your warranty
- Open up the camera in any way other than explained in this manual
- Expose the camera to extreme temperatures or rapid changes of hot to cold or vice versa

Please DO:

- Clean the camera with a soft dry cloth and no detergents

Troubleshooting

We hope you've now got all the information you need to get started, but if you're having problems with anything, please feel free to contact us at: support@kitvision.co.uk or visit www.kitvision.co.uk

Please do not attempt to open this product in any way other than explained in this manual. Making any attempt to open the product or carry out repair voids any and all warranties.

We apologise for any inconvenience caused by minor inconsistencies in these instructions, which may occur as a result of product improvement and development.