kitvision
User manual

SPLASH

A C T I O N   C A M E R A

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Contents

Main features

• Full HD 1080p video
• 12 Megapixel photo mode
• Waterproof up to 15 m

Box contents

• Splash action camera
• Waterproof case
• Bicycle mount
• Vented helmet mount
• Flat adhesive mount
• 2 x 3M adhesive pads
• Hook mount
• Mount adaptor
• Tripod adaptor
• 90 degree adaptor
• User manual
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Functions

1. Power/shutter button
2. Status indicator light
3. Lens
4. Micro USB jack
5. TF/micro SD card slot
6. Microphone
7. LCD screen
8. Tripod thread
9. Reset
10. Mode button
11. Waterproof case
12. Securing clip
13. Waterproof power/ shutter button
14. Micro HDMI port
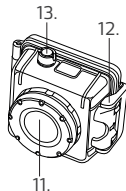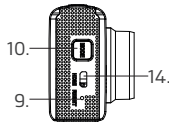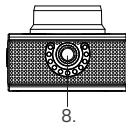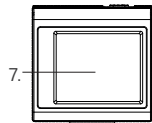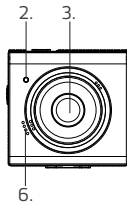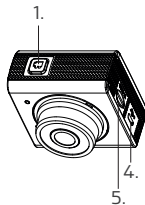
Instructions for use

Turning power on and off

1. Press the POWER button (1) to turn on the camera.

2. Long press the POWER button (1) 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 one end of the USB cable to the camera and the other end to a PC/mains charger USB port.

3. The status indicator will turn red whilst charging.

4. Once fully charged the status indicator will turn off.

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

Inserting the memory card

The Splash 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 (at least class 4) inserted.

1. Ensure the camera is turned off.

2. Insert your memory card into the TF/micro SD card slot (5). The camera uses the FAT32 filing system. If the micro SD card is incompatible, it will need formatting.

3. To format the card correctly, go to the 'Changing the Camera Settings' section later in this manual and follow the 'General Settings' instructions.

Changing the mode of the camera

The camera has 3 different modes: Capture mode, Video mode and Playback mode.

1. Press the MODE button (10) repeatedly to select between these modes.

HD◀	Video mode	For recording video clips
O	Capture mode	For taking still photos
▶	Playback mode	For playing recorded files

Recording videos

1. Turn on the camera and it will start in Video mode automatically. If in another mode, press the MODE button (10) to set the camera to Video mode.

2. Use the LCD screen (7) to view your shot, then press the SHUTTER button (1) to start recording.

3. The LCD screen (7) will display how long it has been recording for.

4. Press the SHUTTER button (1) again to stop recording.

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

Recording audio within a video

If using the camera with the waterproof case, audio will be recorded although it will be barely audible. For best audio quality, the camera will need to be used without the case. When using the camera without a case, please take extra care and make sure it does not get wet.

Taking a still image

1. Turn on the camera and press the MODE button (10) to set the camera to Capture mode.

2. Use the LCD screen (7) to view your shot, and then press the SHUTTER button (1) to take a still image.

3. After the image has been taken, the LCD screen (7) will display the image for a brief second.

Playback of files

1. Turn on the camera and press the MODE (10) button to set the camera to Playback mode.

2. Press and hold the MODE button (10) and the camera will scroll through all files on the micro SD card. Release the MODE button (10) and the camera will stop on the selected file.

Viewing video files

1. When a video file is selected, press the SHUTTER button (1).

2. The LCD screen (7) will show the options 'Delete' or 'Play'.

3. Press the MODE button (10) to select either 'Delete' or 'Play'.

4. To watch a video, press the SHUTTER button (1) and select 'Play'.

5. To stop the video, press the MODE button (10).

6. To delete the file, press the SHUTTER button (1) and select 'Delete'. Then, press the MODE button (10) to select 'Yes' and press the SHUTTER button (1).

Deleting picture files

When viewing a picture file, you can delete it if it's not wanted.

1. Press the SHUTTER button (1), then the MODE button (10) to select 'Yes' followed by the SHUTTER button (1) to confirm.

Changing the camera settings

General settings

1. To enter the general settings menu, press and hold the MODE button (10) whilst in either Video or Capture mode.

2. Press the SHUTTER button (1) to select the general settings menu in the top navigation bar.

3. Press the MODE button (10) to enter the menu.

4. The MODE button (10) will scroll through the settings and the SHUTTER button (1) will select/change them.

MENU	FUNCTION
Date	This function can be used to add a date to your pictures and videos as you take them. To set the date, select 'Set Date' and press the SHUTTER button (1). Edit each setting by using the SHUTTER (1) and MODE (10) buttons and when finished, press and hold the MODE button (10) to confirm. [On]/[off]/[Set the date]
Auto power off	To save power, the video camera is turned off automatically after a period of time. After you select 'Off' this means the power save function is switched off. [1min]/[3min]/[5min]/[Off]
Beep sound	Sets the operation sound. [On]/[off]
Language	Set the on-screen language. [English]/[French]/[Spanish]/[Portuguese]/[German]/[Dutch]/[Italian]
Frequency	Frequency should be set depending on your TV. [50HZ]/ [60HZ]

TV mode	You can review images on TV with a mini HDMI cable (not supplied). TV Out should be set to either NTSC or PAL depending on your TV. [NTSC]/[PAL]
Format	Format your micro SD card including protected files. Removing the micro SD card during formatting may damage the card. This will erase all data on the micro SD card. Please make sure all footage is backed up before formatting the micro SD card. [OK]/ [Cancel]
Default Setting	Restores the camcorder to default settings. [OK]/[Cancel]

When finished in the general settings menu, press and hold the MODE button (10) and the camera will go back to Video/Capture mode.

Video mode settings

1. To enter the Video settings menu, press and hold the MODE (10) button whilst in Video mode.

2. Press the MODE button (10) to enter the menu.

3. The MODE button (10) will scroll through the settings and the SHUTTER button (1) will select/change them.

In the video settings menu, you will find the following options:

MENU	FUNCTION
Size	Change the video resolution for the recording. Select a smaller movie size to record for longer. [1080p]/ [720p]/ [VGA]/ [QVGA]
Exposure	Set the exposure value manually to compensate for unusual lighting conditions. [-3EV to +3EV]
White Balance	Adjust the white balance to suit different light sources. [Auto]/[Daylight]/[Cloudy]/[Fluorescent]/ [Incandescent]

Anti-shake	Use the function to help stabilise the image. [On]/[Off]
Loop recording	Set the loop recording time. This will determine how long each video recording is per file. [off]/[3minutes]/[5minutes]/[10minutes]
Motion Detection	Set the camera to stop the video recording automatically when it is not moving. When the camera moves again, it will start the recording automatically. [On]/[Off]
Record Audio	Record audio when taking videos. [On]/[Off]
Date Stamp	This function can be used to add a date to your videos as you take them. [On]/[Off]

Capture mode settings

1. To enter the Capture settings menu, press and hold the MODE button (10) whilst in capture mode.

2. Press the MODE button (10) to enter the menu.

3. The MODE button (10) will scroll through the settings and the SHUTTER button (1) will select/change them.

In the capture settings menu, you will find the following options

MENU	FUNCTION
Capture Mode	Use this function to set the camera to single shot or timer delay modes. [Single]/[2s timer]/ [5s timer]/[10s timer]
Resolution	Change the image resolution for taking photos. [12M]/[10M][8M]/[5M]/[3M]/[1.3M]/[VGA]
Quality	Select image quality for still photos. There are three options for choice. [Super Fine]/[Fine]/[Normal]

Sharpness	Set the sharpness of the picture. The sharpness level dictates if the edges of objects in the image are more or less distinct. [Sharp]/[Normal]/[Soft]
Exposure	Set the exposure value manually to compensate for unusual lighting conditions. [-3EV to +3EV]
White balance	Adjust the white balance to suit different light sources. [Auto]/[Daylight]/[Cloudy]/[Fluorescent]/ [Incandescent]
Colour	Set the colour effect.[Standard]/[Sepia]/ [Monochrome]/[Vivid]
ISO	The ISO menu allows you to set the level of sensitivity. [Auto]/[100]/[200]/[400]
Scene Mode	You can select the scene mode according to the image you wish to capture. [Auto]/[Scenery]/ [Portrait]/[Night Scenery]/[Night Portrait]/[High Sensitivity]/[Beach]

| Anti-shake | Use the function to avoid taking blurry/out of focus photos.**[**On**]**/[Off**]** |
| Continuous Shot | Use this function to take 6 pictures continuously. **[**On**]**/[Off**]** |

Connecting the camera to an HDTV

1. Connect the Micro HDMI end of a micro HDMI to HDMI cable (not included) to the camera's micro HDMI port (14), and the other end to the HDTV's HDMI port.

2. Turn on the HDTV and select the appropriate HDMI source.

3. Follow the instructions for 'Playback of files' mentioned earlier in this manual.

4. When viewing is finished, turn off the camera and HDTV before removing the HDMI cable.

Connecting the camera to a PC

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

• By inserting the Micro SD into a card reader.

• By connecting the camera to a computer using the supplied USB cable.

Connecting the camera to a PC with the USB cable

1. Connect one end of the supplied USB cable to the camera's micro USB jack (4), and the other end to the PC's USB port and turn the camera on.

2. Turn on the camera, 'Mass Storage' will appear on the LCD screen (7)

3. Open [My Computer] or [Windows Explorer] on your PC. 'Removable Disk' will be in the drive list. Double-click the 'Removable Disk' icon to view its contents. Files stored on the camera are located in the folder named 'DCIM'.

4. Copy the files that you want to your PC.

How to use the PC camera function

1. Connect one end of the supplied USB cable to the camera's micro USB jack (4), and the other end to the PC's USB port and turn the camera on.

2. Turn on the camera, then press the MODE button (10) to switch from 'Mass Storage' mode to 'PC Camera'.

3. If using Windows XP, Open [My Computer], double click 'USB video tool'. If using Window Vista, 7 or 8, the PC Camera function can only be used with third-party software (Skype, etc.)

Waterproof case

The Splash action camera includes a case that is waterproof up to 15 metres. When using the camera in a wet environment, always use the waterproof case.

Using the waterproof case

1. Open the waterproof case (11) by releasing the clip (12) on the side of the case.

2. Insert the camera correctly so that the case closes easily and provides a tight seal.

3. Snap the clip (12) shut to ensure the case is waterproof.

4. To operate the camera, use the waterproof POWER/ SHUTTER button (13).

Note: The other functions and buttons of the camera cannot be used whilst in the waterproof case. Access these buttons/ functions before inserting the camera into the case, or make sure the case is thoroughly dried before removing the camera.
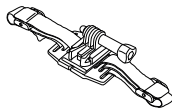
Mount accessories

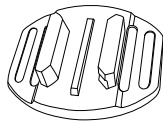In order to use the camera for various outdoor activities, we have provided three different mounts.

• Mount (A) is used to fix the camera to the handlebars on a bike.

• Mount (B) is used to fix it to a helmet.

• Mount (C) is used to attach the camera to flat, clean, smooth surfaces.
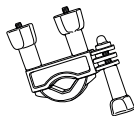
**(A)**   **(B)**   **(C)**

Fixing the camera to a bike

1. Unscrew both screws and remove the metal ring of Mount A.

2. Place the plastic section underneath the handlebar and place the metal ring over the handlebar.

3. Replace the screws and tighten them up.

4. If needed, choose extra connectors from the three shown and then fix them to part (i) of Mount A.

5. Screw connector (ii) directly to the camera or the camera case.

6. Attach the camera assembly to the Mount A assembly.
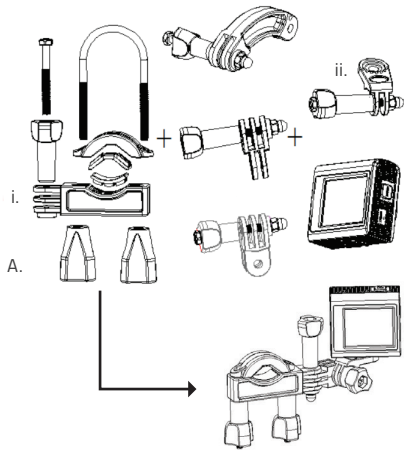
Fixing the camera to a helmet

1. Fix connector (iii) to Mount B as shown.

2. If needed, choose extra connectors from the three shown and then fix them to connector (iii).

3. Screw connector (ii) directly to the camera or the camera case.

4. Attach the camera assembly to the Mount B assembly.

5. After fixing the camera to the mount correctly, use the strap to fix it to the helmet. Adjust the length according to the helmet's size, and then tie the strap up to your helmet.
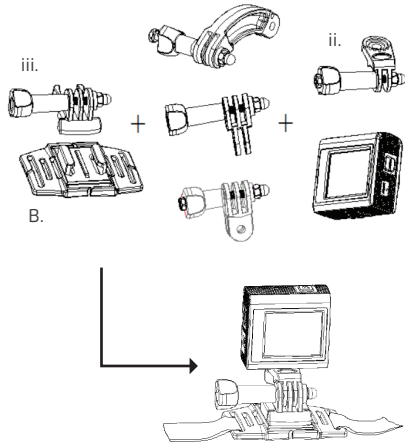
Fixing the camera to a board/flat surface

1. Ensure the surface is clean and dry before applying the adhesive mount.

2. Peel off adhesive paper and stick the mount in the desired position.

3. Fix connector (iii) to Mount C as shown.

4. If needed, choose extra connectors from the three shown and then fix them connector (iii).

5. Screw connector (ii) directly to the camera or the camera case.

6. Attach the camera assembly to the Mount C assembly.
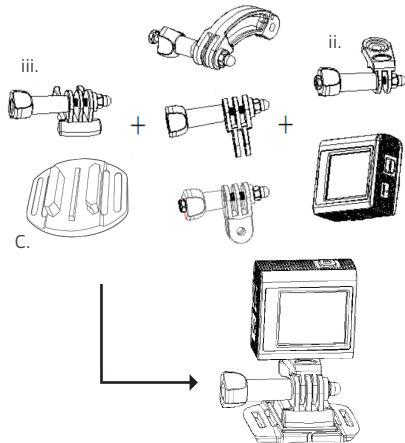
Specification

Sensor	5 Megapixel CMOS
LCD display	1.77 " TFT screen
Lens	F/2.5, f = 3.2 mm
Shutter	Electronic Shutter: 1/2 ~ 1/800 sec
Resolution	Image: 12 M/10 M/8 M/5 M/3 M/1.3 M / VGA
	Video: 1080 p / 720 p / VGA / QVGA
Exposure	-3.0 ~ +3.0EV
Continuous shot	6 frames per shot
Storage	External memory: Micro SD card (Up to 32 GB)
HDMI OUT	Micro HDMI
Power source	Li-ion battery (550 mAh)
Dimension	50 x 50 x 36 mm

Ambient temperature	Operating: 0° C to 40° C
	Storage: -20 to 60° C
Microphone	Built-in
Speaker	Built-in

Care for your Splash

Please **DON'T**:

• Get the Splash wet, unless sealed in the included waterproof case.

• Drop the Splash as this will invalidate your warranty.

• Open up the Splash. There are no user serviceable parts inside.

• Expose the Splash to extreme temperatures or rapid changes of hot to cold or vice versa.

Please **DO**:

• Clean the Splash 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

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