

FOSCAM



AC1080 Professional Sports Action Camera

User Manual

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PRECAUTION

Failure to follow these steps each time may result in damage to your camera, and could possibly destroy your camera. Your warranty does not cover accidental damage or issues caused by user error.

*The camera is not drop resistant, therefore please avoid unnecessary roughness when handling the camera. Try to avoid dropping or damaging the camera in any way.

*Don't keep the camera in moist circumstances for long periods of time.

*Don't keep the camera in high temperatures as it may cause damage of external and internal components.

*Use a specialized cloth to clean the camera lens and wipe away fingerprints or dust.

*For the best and most efficient usage of your battery, we suggest using it in 0-40 °C.

*When inserting or removing the micro SD card, please keep the camera turned off to avoid damage of the card or saved files.

*Store the camera in a dry place and remove the micro SD card if storing for long periods of time.

About the SD card:

*Please use a Class 4 or higher speed micro SD card.

*Please use genuine micro-SD cards. The non-genuine or OEM cards may cause issues, such as the failure of buttons, invalid video/photo issues, turning the camera off during recording, causing the camera to die, and so on.

About the waterproof case:

*Please keep the rubber seal clean, even a single hair or grain of sand can cause a leak. It is best to clean it with a dusting cloth.

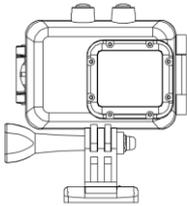
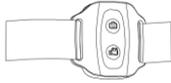
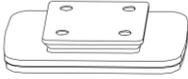
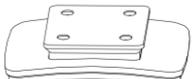
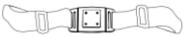
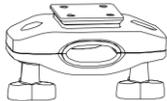
*For every use of the case in salt water, you will need to rinse the outside of the housing with fresh water and dry the case. Failure to do this will eventually cause corrosion of the hinge pin, and salt will build up in the seal, which can cause failure.

*Please do not to remove or reset the seal. Doing so may cause leaks and damage your camera.

About adhesive mounts:

*Please mount on clean and smooth surfaces only. Only attach a mount in room temperature conditions 24 hours before use.

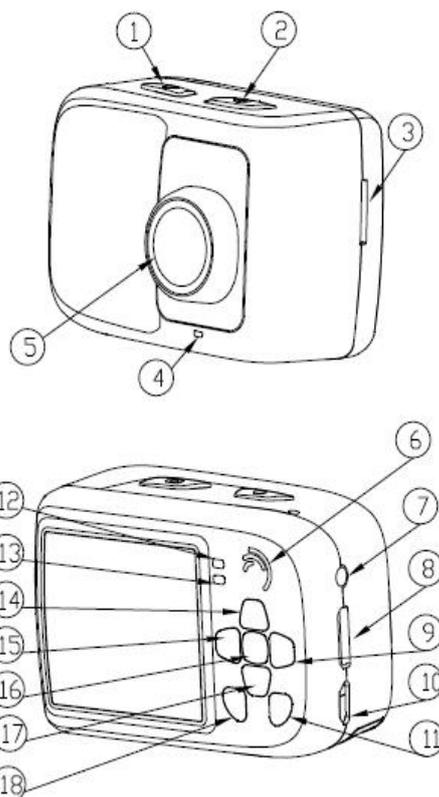
ACCESSORIES

 <p>X-game cam+LCD</p>	 <p>waterproof case</p>	 <p>Remote controller</p>	 <p>USB cable</p>	 <p>1/4 tripod mount</p>
 <p>Battery</p>	 <p>Flat adhesive mount</p>	 <p>Vented adhesive mount</p>	 <p>Manual</p>	 <p>*Headbelt mount</p>
 <p>*Helmet mount</p>	 <p>*Bike mount</p>	 <p>*Surfboard mount</p>	 <p>*Chest harness mount</p>	 <p>*Car suction cup mount</p>

Noted: *marked are optional accessories.

CAMERA STRUCTURE

- 1、 Video button
- 2、 Photo button
- 3、 Micro SD card slot
- 4、 Microphone
- 5、 Lens
- 6、 Speaker
- 7、 AV OUT
- 8、 HDMI
- 9、 Right button
- 10、 USB
- 11、 Power/playback
- 12、 Red/status indicator
- 13、 Green/power indicator
- 14、 Up button
- 15、 Left button
- 16、 Operation buttons
- 17、 Down button
- 18、 Menu/delete

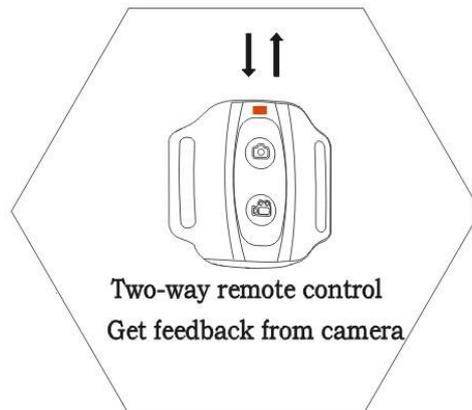


CAMERA FEATURES

- * Mini size 2.6 x 1.8 x 1.3 inches, about 90g
- * FULL HD 1080P recording
- * Integrated 1.5 inch LCD screen
- * Waterproof case 60M (196 FT), shockproof 2M and dustproof
- * Waterproof remote controller, remote distance 15-20M
- * Fast forward, Slow-motion
- * Digital Image Stabilizer (DIS)
- * Contrast, ISO, Metering adjustment
- * One button back to pre-record mode
- * Pause and seamless recording
- * 180 degree upside down video/image
- * Sound-recognition
- * 4x digital zoom under 720p
- * View angle: 170 degree
- * Video: HD resolution
 - 1080p: 1920x1080, 30fps
 - 720p: 1280x720, 60fps;
 - 720p: 1280*720, 30fps
- *12M picture
- * Lithium battery: max 2.5 hours, 1000mAh
- * H.264 advanced compression, HDMI output
- *OSD Language: English, German, French, Italian, Russian, Spanish, Portuguese, Japanese, Korean

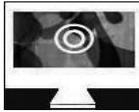
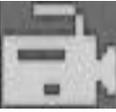
TWO-WAY REMOTE CONTROL

The remote control has a red indicator. It sends out signal but also gets signal feedback from the camera as well. When the remote controls sends out signal, it will flash once. When the camera receives signal (executive command) successfully, the red indicator will flash again. If the camera does not get signal, the remote control will only flash once. Using this information, you can check the camera status by following the indicator, usually when you cannot see the camera easily.



OVERVIEW

Main Buttons:

			
Power/playback button	Menu/delete button	PHOTO button	Video button
			
Photo mode	Video mode	Advanced setting mode	USB mode
			
Video resolution, Default 1080p	Photo resolution default 5M	Micro SD card inside	Metering status Default central
			
Self-shot	White balance	Time stamp	Power

Time on LCD (for example):

02:46:48 ----- The remaining video record time

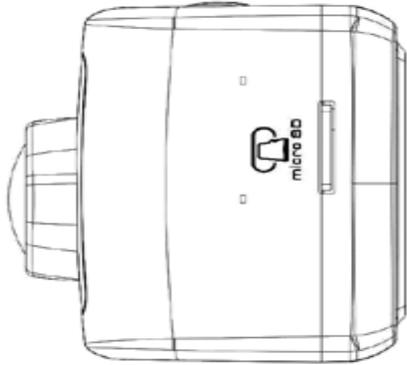
2014-1-1 08:09:10 ----- Actual real-time clock

BASIC OPERATIONS

When using the camera for the first time:

A. Insert a micro SD card. Without the micro SD card, the green indicator will flash.

The camera is compatible with high speed micro SD cards (class 4 or higher)



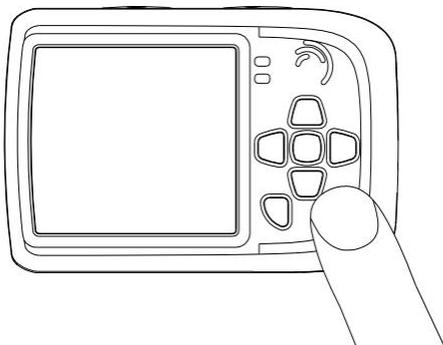
B. Insert the battery into the camera (Located on the bottom of the camera).

C. Turn the camera on.

Press and hold the POWER button for 3 seconds, you will see the startup screen, and the green LED indicator will turn on.

Press and hold the POWER button for 3 seconds when your camera is on to turn it off.

In standby mode, the red LED indicator is off.



D. Recording video.

When the camera is on, press the VIDEO button and your camera will begin to record video.

The red LED indicator will flash. It also can be controlled by the VIDEO button on the remote controller.

Note: During recording, you can only use the PHOTO button after pressing the VIDEO button on the remote controller.

E. Taking photos.

When your camera is on, press the PHOTO button and the camera will take a photo.

The red LED indicator will flash once. You can also take a photo by pushing the PHOTO button on the remote controller.

F. One button back mode.

When you are setting options in the menu or reviewing files, just press the VIDEO button once, and your camera will go back to the pre-record mode.

G. Playback mode and delete.

By pressing the playback button, you can see all video files.

Press the PHOTO button to switch between seeing videos and photos.

The data in the top right corner shows the file number.

Choose the video or photo you would like to view by using the 4 directional buttons.

When viewing videos or photos, press the M button to delete the file.

H. Pausing and seamless recording.

During recording, pressing the UP button will allow you to see the recording time. The LCD will actually pause, but the red indicator will stay on.

When you press the UP button again, the camera will start recording again. Doing this in succession allows you to record seamless footage as one file.

PHOTO AND VIDEO

Photo

*Press the MENU (M) button; you will see the photo icon.

*Press the OK button to go into the photo's setting menu.

*Press M or VIDEO button to go back.

Photo settings	Size:	3M 5M 8M 12M
	Self shot	Off 5 sec 10sec 20sec
	Triple shot	ON/Off

	Time lapse	OFF/2/3/5/20/30/60 sec
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If choosing a Timelapse interval, when you press the PHOTO button once, it will take photos continuously.

The red indicator will flash once each time a photo is taken.

Press the PHOTO button again to stop.

Video

*Press the MENU (M) button; you will see the video icon.

*Press the OK button to go into the video settings menu.

*Press the M or VIDEO button to go back.

Video setting	Resolution	1080P/30fps 720P/60fps 720P/30fps WVGA/60fps WVGA/30fps VGA/30fps
	Motion detection	OFF/on
	Video duration	Any duration 30sec 180sec 300sec
	Loop recording	Off/ON
	Upside down	Off/ON

Note: Enabling “upside down” will cause the LCD to go black for a few seconds, which is normal.

*Sound recognition:

When the camera begins to record, you will only hear one *beep* noise.

When the camera stops recording, you will hear two *beep* noises.

This helps recognize the recording status easily.

*4x digital zoom:

During 720p recording, you can zoom the video by using the LEFT and RIGHT buttons.

*Fast forward, Slow-motion:

When playing back video, press the LEFT button to choose slow motion.

Press the RIGHT button to fast forward.

Playback

Pressing the PLAYBACK button allows you to view your files. Press the directional buttons to choose your video. Press the OK button for a preview and press the MENU/DELETE buttons for your deletion options. When playing video, press the LEFT/RIGHT buttons to fast-forward and rewind. Press the PHOTO button to switch between photos and videos.

ADVANCED MENU SETTINGS

Menu settings:

Using the SETUP feature, you can customize the camera's functions based on your personal preferences.

*Press the MENU button; navigate to the Settings icon (third from the left).

*Press the OK button to go into the settings menu.

*Press the M or VIDEO button to go back.

Advanced setting	Firmware version	
	Time setup	year/month/day, time
	LCD off	off 5sec 10sec 2min
	Volume	11 10 9 8 7 6 5 4 3 2 1 0
	Default	Yes/No
	Format	No/Yes
	Language	English, German, French, Italian, Russian, Spanish, Portuguese, Japanese, Korean
	TV standard	NTSC /PAL TV
	Date/time stamp	On/ Off
	Beep sound	on/ off

	Scene mode	Auto, Night, Sports, Landscape Portrait
	Frequency	50HZ/60HZ
	Contrast	Standard Hard soft
	AE ISO	Auto 100 200 400 800
	Metering mode	Standard Hard Soft
	Auto power off	off 1min 2min 5min

UPLOADING FILES

When connecting the USB with the camera successfully, there will be a visible 'connection' icon on the screen.



Note: Before inserting the USB cable, please turn on the camera. When the camera is off, the cable is for charging only.

FIRMWARE UPDATE

*Usually the software can be updated by using a micro SD card.

*Copy the software into card's root folder, then insert the card into the camera and turn it on.

*Choose YES, and the camera will refresh automatically. Restart the camera, and it will update successfully.

BATTERY

The lithium-ion battery included in the packaging comes only partially charged. For a full charge, when

the camera is off, connect the camera to a computer using the USB cable for charging.

*Active battery time runs about 2.5 hours.

*The battery will charge up to 80% in 1-2 hours, and should reach 100% in 4 hours.

*When the camera is off, the red indicator is turned on during charging. After becoming fully charged, the green indicator will be on.

* You can also charge the camera using a car charger or USB power bank.

SYNC THE REMOTE CONTROL:

* Open the remote controller (RC) and take off the battery.

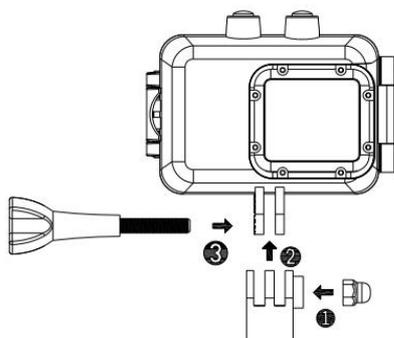
* Press and hold the PHOTO button of the remote controller, then install the RC's battery. Next, turn on the camera (when turning on the camera, you will still need to press the PHOTO button).

* After turning on the camera, release the PHOTO button.

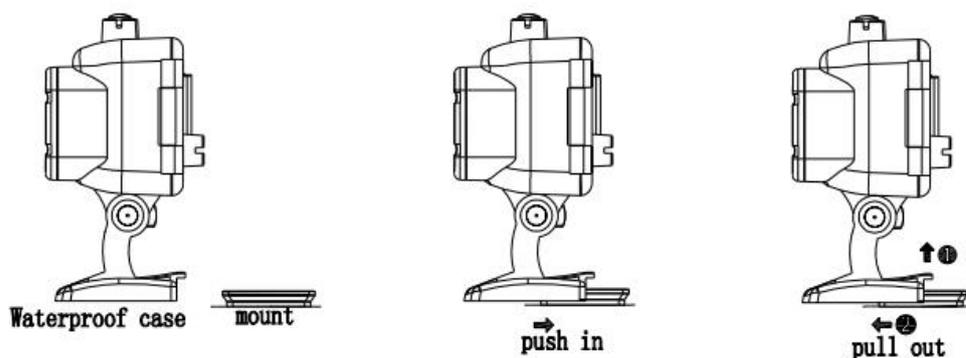
CAMERA AND ACCESSORY ASSEMBLY

To assemble the waterproof case, please follow the below steps outlined in the image.

Note that the buckle will not move after fixing the thumb screw.



To attach your camera to the mount, you only need to slide it in to install and slide it out to uninstall.



Tips:

*Clean the surface first. Wax, oil, dirt, and other debris will reduce adhesion which can result in a weak bond or even losing your camera.

*Please also keep your waterproof case's rubber door clean.

*Only attach a mount in room temperature conditions. It will not bond well in very cold or damp environments.

*The adhesive mounts can only be mounted to a smooth surface.

*For best results, please attach your mount at a minimum of 24 hours before usage.

SPECIFICATIONS SHEET

Video resolution	1080P (1920*1080) 720P (1280*720) WVGA (848*480) QVGA (320*240)
frames	1080P/30fps, 720P/60fps, 720P/30fps, WVGA/60fps, WVGA/30fps, QVGA/60fps
Video format	MOV (H.264 advanced compression)
LCD size	1.5"
Remote distance	15-20M
Waterproof	IP68,60M (196 FT)
Storage	Micro SD/MMC (Max 32GB SDHC)
Storage capacity (32GBmicro SD card)	Photos: 3M(26080) 5M(15280) 8M(11180) 12M(8940)
	Video: H.264 1080p: about 5.5 hours; H.264 720p: about 5.5hours
Zoom	4xdigital zoom(720P mode)
AV OUT	Support NTSC/PAL, HDMI output
PC port	USB2.0(U-disk)
Microphone	Built-in MIC and Speaker
Consumption	400mA@3.7V(MAX)
Battery capacity	1000mAh
Battery life	About 2.5 hours
Battery charge	About 2.5 hours
Operation system(1080P)	Windows XP SP2/Vista or Above/Mac OS/Win 7/APP
CPU	>=Pentium 4 1.5GHZ
RAM	>=1GB
Dimensions	68*46*33mm
Camera weight	90g (with LCD)
Storage temperature	-20°C-50°C
Working temperature	-10°C—50°C
Working humidity	15~85%RH

TROUBLESHOOTING:

Please refer to the below solutions if there are problems under normal operation.

* Can't record photos or videos.

Check the memory left on your Micro SD card.

* "File error" shows up when playing back photos and videos.

Caused by corrupted storage, we recommend formatting your Micro SD card. Formatting the card will delete the data in micro SD card permanently, including protected files. Therefore, please copy important data before formatting.

* Dim Videos.

Try using a specialized cloth to remove away blots, fingerprints, and dust before recording.

* The micro SD card is not compatible with the camera.

Try formatting your micro SD Card using a computer. Formatting the card will delete the data in micro SD card permanently, including protected files. Therefore, please copy important data before formatting.

*Cannot upload data to the PC when using a USB cable.

Please check to see if the camera is turned on. When the camera is off, it is only charging, and will not transfer files or recordings.

For any other questions or inquiries, please don't hesitate to contact us directly:

Foscam Digital Technologies LLC

E-mail: support@foscam.us

Phone: Toll Free – 1-800-930-0949