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PRECAUTION

Failure to follow these steps each time may result in damage or destroy your camera. Your warranty does not cover the bad result from user error.

*The camera is not drop resistance, please avoid crash or fall.

*For your safety, don't operate the camera in sports process.

*Don't keep the camera under moist or dust circumstance for long time.

*Don't keep the camera under high temperature, that may cause damage of external and internal components.

*Use specialized cloth to clean lens and move away fingerprint or dust.

*For best use of battery, we suggest using it in 0-40 °C.

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

*Put the camera in dry place and remove the micro SD card for long store.

About card:

*Please do use the C4 or higher speed micro SD card.

*Please do use the genuine card. The fake card may cause troubles, such as stacked card, the failure of buttons, invalid video/photo, turning off

during recording, camera dead and so on.

About waterproof case:

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

*Every use in salt water, you will need to rinse the outside of the housing with non-salt water and dry. Not doing this can eventually cause corrosion of the hinge pin and salt buildup in seal, which can cause failure.

*Please try not to remove or reset the seal. It may cause leak and damage your camera.

About adhesive mounts:



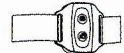












*Clean the surface firstly. Wax, oil, dirt and other debris will reduce adhesion which can result in a weak bond or even losing your camera.

*Only attach a mount in room temperature conditions, or 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 hrs before use.

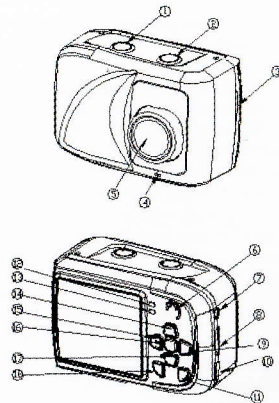
ACCESSORIES

				
Mirage cam+LCD	waterproof case	Remote controller	USB cable	1/4 tripod mount
				
Battery	Flat adhesive mount	Vented adhesive mount	Manual	*Head belt mount
				
*Helmet mount	*Roll bar mount	*Surfboard mount	*Chest harness mount	*Car suction cup mount

Noted: *marked are optional accessories.

Mirage 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



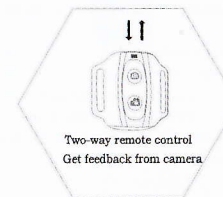
Mirage CAMERA FEATURES

- * Mini size 68*46*33mm, about 80g
- * FULL HD 1080P recording
- * Integrated 1.5 inch LCD screen
- * Waterproof 60M, shockproof 2M and dustproof
- * Remote controller, remote distance 15-20M for outdoor
- * Two-way remote control
- * View angle :170 degree
- * Video : HD resolutions
 - 1080p :1920x1080,30fps
 - 720p:1280x720, 60fps;
 - 1280*720, 30fps
- *12M picture
- * Digital Image Stabilizer(DIS), anti-shake
- * Contrast, ISO, Metering adjustment
- * One button back to pre-record mode
- * Pause and seamless recording
- * 180 degree upside down video/image
- * Sound-recognition for recording
- * 4x digital zoom under 720p

- * Fast forward, Slow-motion
- * Motion detection and cycle recording for car use
- * H.264 advanced compression , HDMI out
- * Lithium battery : max 2.5 hours, 1000mAh, about 2 hours under 1080p recording mode
- * OSD Language: English/Russia/French/German Portuguese/Spanish/Italian Chinese/Japanese











TWO-WAY REMOTE CONTROL

The remote control has a red indicator. It not only can send out signal but also get feedback from the camera. When the remote control send out signal, it flashes once. When the camera gets signal(executive command) successfully, the red indicator flashes again. If the camera does not get signal, the remote control only flashes once. So you can judge the camera status by the indicator only when you can not see the camera easily.



OVERVIEW

Main Buttons

				
Power/playback button	Menu/delete button	Photo button	Video button	PlaybackMode video
				
Micro SD card inside	Power	Internal flash	Photo	Video

BASIC OPERATION:

Please follow the next steps for the first time use:

1. Insert micro SD card(class 4 or higher)
2. Insert battery into the camera (Under the bottom of the camera).
3. Long press the POWER button for 3 seconds to turn on the camera, the green indicator on.(Long press the POWER button for 3 seconds again, your camera will be off.)
4. When the camera is on, press VIDEO button and your camera begins to record video. The red indicator flashes. It also can be controlled by VIDEO button on the remote controller.
5. When your camera is on, press PHOTO button and the camera takes a photo. The red indicator flashes once. It also can be controlled by PHOTO button on the remote controller.
6. One button back mode: When you are setting menu or reviewing files, just press VIDEO button once, your camera will be back to the pre-record mode.
7. Playback mode: Short press the PLAYBACK button and enter the video files, choose your file. Press PHOTO button to switch the video and photo modes, and press VIDEO button once, your camera will be back to the pre-record mode.
8. Menu operations: Press MENU/DELETE button to go into setting menu.
9. Remote controller: Press VIDEO button once on RC for shooting and press again for stop. Press PHOTO to take picture immediately.
10. Indicator lights: The green indicator on after turning on the camera. The red indicator flashes continuously when shooting. The red indicator flashes once when taking picture. The green indicator flashes continuously reminds of charging. The red indicator on when charging, off after fully charged.

MENU SETTING

(1) Press MENU/DELETE button to choose VIDEO/PHOTO Setting.

Video/photo setting

Resolution	1080FHD, 720P60, 720P30, VGA, QVGA
Loop recording	OFF/3/5/10 minutes
HDR	OFF/ON
Motion detection	OFF /ON
Self timer	Single/2s/5s/10s
Image Size	12M 8M 5M 3M
Triple shot	OFF/ON
Scene	Auto/Scenery/Portrait Night scene/Beach/Sports

Press UP/DOWN button for your options, press OK button to confirm and back to previous menu.

If canceling setting, press LEFT button back to previous menu.

(2) Press MENU/DELETE button and then press RIGHT button to choose FUNCTION Setting

Function setting

Date/time	Year/month/day. Hour: minutes: seconds YY/MM/DD
Auto power off	OFF/3/5/10minutes
Beep Sound	OFF/ON
Language	English/Russia/French/German Portuguese/Spanish/Italian Chinese/Japanese
TV mode	NTSC/PAL
Frequency	50Hz/60Hz
Upside down	OFF/ON
Date Stamp	OFF/ON
ISO	Auto/100/200/400
Format	Cancel/OK
Auto LCD off	OFF/1/2/3 minutes
Default setting	Cancel/OK

Press UP/DOWN button for your options, press OK button to confirm and back to previous menu.

If canceling setting, press LEFT button back to previous menu.

Date/time setting

Choose Date/time. Switch to YY/MM/DD with LEFT /RIGHT button, press UP/DOWN button for your options. Switch to specific date/time with LEFT /RIGHT button, UP/DOWN button for setting. Press OK button back to previous menu.

(3) Playback menu Settings

Shortly press the PLAYBACK button and enter the video/photo files, choose your required file and press OK button and then press MENU/DELETE button for setting.

Playback menu Settings	Delete	Delete current/Delete all
	Protect	Lock Current/Unlock Current Lock All/Unlock All
	Slide show	2/5/8 seconds

Press OK button again and back to previous menu. If canceling setting, press LEFT button back to previous menu. When playing videos, press LEFT/RIGHT buttons for fast-forward or fast-backward and UP/DOWN buttons for sound up and down.

UPLOADING FILES

When connecting USB with camera successfully, there will be a "USB mode" on the camera screen. Then you can find a disk in your computer.

Note: Before inserting the USB cable, please turn on the camera.

When the camera is off, the cable is for charging only.

FIRMWARE UPDATE

*Copy the software into micro SD card root.

*Insert the card into cam. Connect it to computer by USB firstly, then the action camera will upgrade automatically (The green light is flashing). If there is no flash, pls press the power button until the green light flashes. The whole process will last for about 30 seconds until the green light dead.

*Take out the card. Turn on the cam again to check the new software version.(Please format the card before using it for the same model cam.)

BATTERY

The li-ion battery in your standard package is only partially charged. For a full charge, when the camera is off, connecting the camera with PC by USB cable.

*The battery working time is about 2.5 hours.

*The battery will charge up to 80% in 1-2 hours while 100% in 4 hours.

*When the camera is off, red indicator is on during charging. After fully charged, green indicator will be on.(When the cam is on, it is a disk.)

*It also can be charged by car charger or power bank(USB type).

*Usually the battery will work longer after several times fully activated.

SYNC THE REMOTE CONTROL:

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

*Long press PHOTO button of RC, install RC's battery and then turn on the camera. (When turn on the camera, you still need to press the PHOTO button)

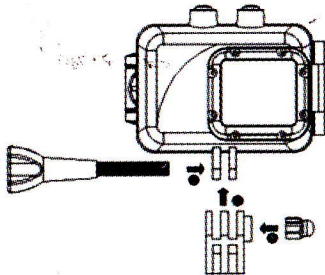
*After turning on the camera, loosen the PHOTO button. Try it and see if it works now.

*If so, assembly the RC.

CAMERA AND ACCESSORY ASSEMBLY

To assemble the waterproof case, you need to do it following the below steps.

The buckle will not move after fixing the thumb screw.



SPECIFICATIONS SHEET

High-definition LCD Screen	1.5 "
Lens	170 degree wide view angle
Languages	English/Russia/French/German/Portuguese/Spanish/Italian/Chinese/Japanese
Image Resolutions	12M/8M/5M/3M
Video Resolutions	1080FHD /720P60 /720P30 /VGA /QVGA
Frames	1080PHD/30FPS,720PHD/60FPS,720PHD/30FPS,VGA/60FPS, QVGA/30FPS
Video Format	MOV
Image Format	JPEG
Remote distance	15-20M
Waterproof	IP68,60M
Consumption	350MA@3.7V
Micro SD card	32G max
Microphone/Speaker	Insert
TV Out	NTSC/PAL HDMI
Charging Voltage	5V
Battery capacity	Lithium battery 1000mAh
Battery life	About 3-4 hours
Battery life for 1080p recording	About 110 minutes
Battery charge time	About 2.5-4 hours
USB Cable	USB 2.0
CPU	1.5GHZ
RAM	≥ 1 GB
Dimension	68*46*33MM
Camera weight	90g (with LCD)
Storage Temperature	-20℃—50℃
Working Temperature	-10℃—70℃
Working humidity	15~85%RH

Date/time setting

Choose Date/time. Switch to YY/MM/DD with LEFT /RIGHT button, press UP/DOWN button for your options. Switch to specific date/time with LEFT /RIGHT button, UP/DOWN button for setting. Press OK button back to previous menu.

TROUBLE SHOOTING

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

- * Can't take photo/video.

Check the memory of Micro SD card.

- * "File error " shows up when playback photos and videos.

Cause by mistakenly storage, use format function formatting Micro SD card.

- * Dim Videos.

Use specialized cloth to remove away blot, fingerprint and dust before shooting.

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

Please format micro SD card with accessory software at first time (computer formats micro SD card). Formatting will delete the data in micro SD card permanently and irreparably including protected files. Therefore, please copy important data before formatting.

- * Can not upload data to PC by USB cable.

You need to turn on the camera firstly. When the camera is off, it is only charging.