

HD Action Camera

User Manual

Index

Product Introduction	
Safety Instruction	
Accessories	
Interface Function Instruction.....	
Charge the Battery.....	
Install the Battery.....	
Insert /Take Out SD Card.....	
Install Instruction.....	
Basic Operation.....	
Menu Instruction.....	
Connecting Computer via USB Cable.....	
TV Output Operation.....	
Main Technical Specification.....	

Product introduction

This camera can take HD videos and pictures, and it can also capture pictures to save your wonderful moment during video recording it can easily record and play back for a long time. Besides, the camera is equipped with remote controller to help you to take video and picture easily.

This camera can be operated and fixed easily; you can fix the camera on the car, boat, helmet and other sport equipments with the accessories.

Safety instruction

Please keep the safety instruction. In order to avoid the danger of fire and electric shock, please abide to these following instructions carefully.

If the plug does not match the power socket, please install a plug adapter which can match the power socket.

Battery

If battery is used improperly, it could explode, cause the fire or burn the body. Please abide to the following:

- Don't disassemble.
- Keep the battery from pressing, beating, falling off or trampling etc.
- Don't make the battery short circuit; don't make any metal touch the battery end.
- Don't keep the battery at the place of more than 60°C, such as in the sunshine or the car in the sunshine.
- Don't burn the battery or drop it into the fire.
- Don't use the damaged battery or the battery with liquid out.
- Use the original charger to charge the battery
- Keep the battery at the place out of reach from children.
- Keep the battery dry.

Charger

When the charger connects to the power socket, even if the charging light is off, the charger is still connected to the power socket. If something happen when the battery is being charged, please remove the plug from the power socket immediately.

Memo: In order to ensure the product work normally, please use the original accessories, such as battery, charger, USB cable, AV cable.

Accessories

Main accessories:

- Receiver
- Remote control
- Lens Emitter

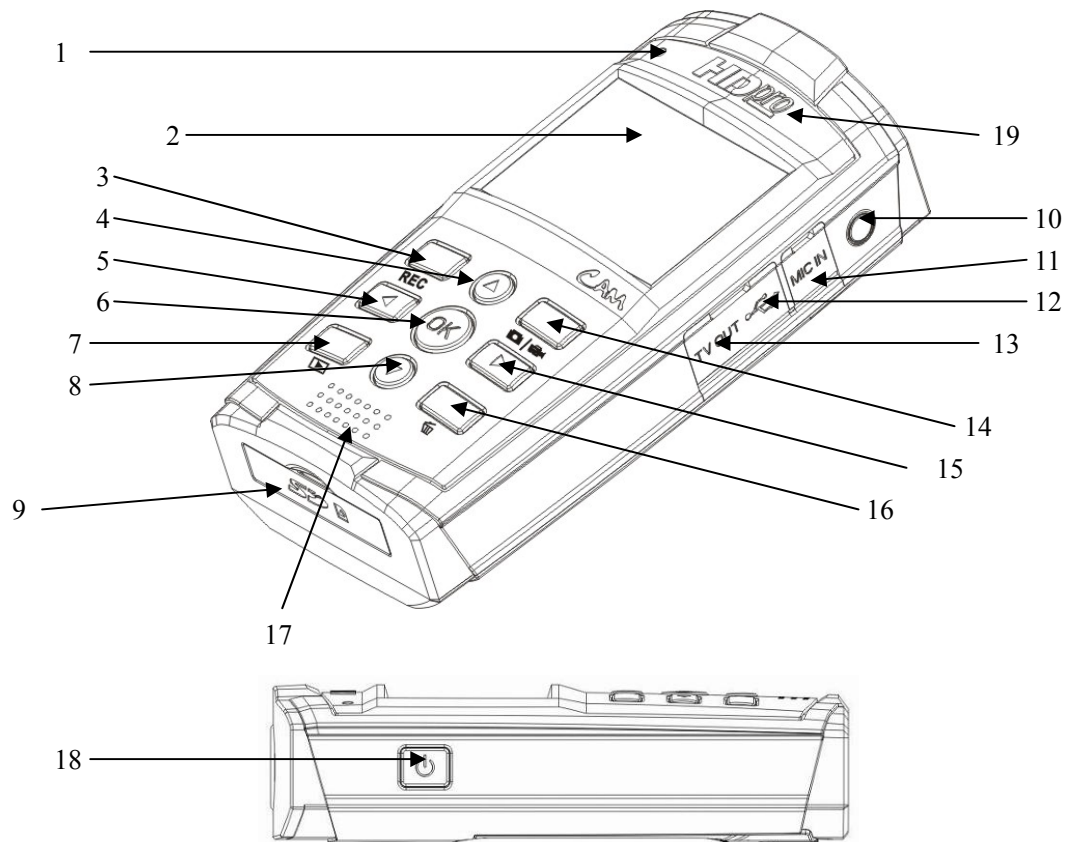
Other accessories:

- Bag
- User manual
- AV cable
- USB cable
- Nylon strap
- Camera cover
- Rubber ring
- Bicycle pedestal
- Helmet Pedestal
- Camera pedestal
- Sponge mat
- Velcro strap / Hook Loop
- Binding lace
- Microphone

Optional accessories:

- Charger
- Car charger
- Charger pedestal
- Strap nip
- Battery

Interface function instruction



- | | |
|--------------------|-------------------------------------|
| 1. Power indicator | 10.RF receive port |
| 2. TFT Screen | 11. MIC port |
| 3. Record key | 12. USB port |
| 4. Up key | 13. TV port |
| 5. Left key | 14. Mode key/ Screen icon clear key |
| 6. OK key | 15. Right key |
| 7. Play back | 16. Delete key |
| 8. Down key | 17. Speaker |
| 9. SD card slot | 18. Power |
| | 19. MIC |

Charge the battery

There are two methods of charging.

1. When the battery is inside the receiver, connect the receiver to the charger, and then connect the charger to the power socket.



When battery is charging, the red light in left up corner of receiver is on. When the battery is fully charged, the red light will be off.

2. Take out the battery, put it into the charger pedestal according to "+", "-" poles, connect the charger pedestal to the charger, and then connect the charger to the power socket.



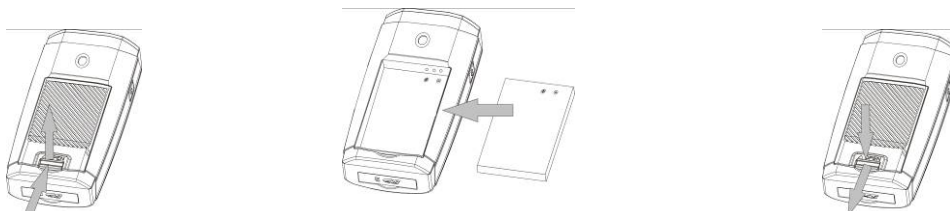
When the battery is being charged, the light on the charger pedestal is red. When the battery is fully charged, the light changes to green.

Memo:

- Even if there is some power in the battery, you can charge the battery.
- When the battery is fully charged, remove the plug from the power socket, and take out the battery from the charger pedestal.
- Be sure to use the original battery and charger.
- Please confirm the AC power is turned on, otherwise battery is discharged but not charged.

Install the battery

1. Open the battery cover
2. Install the battery according to "+", "-" poles
3. Close the battery cover



Insert/Take out SD card

Insert SD card

1. Open the SD card slot cover.
2. Insert SD card according to the direction in the drawing on SD card slot cover, press SD card in lightly until it is locked exactly.
3. Close the SD card slot cover.

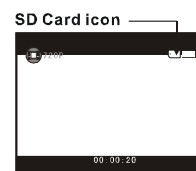


Power on after inserting SD card, the right up corner in screen will appear SD card icon.

Memo: If SD card do not be inserted or is inserted inexactly, the screen will not appear the SD card icon.

Take out SD card

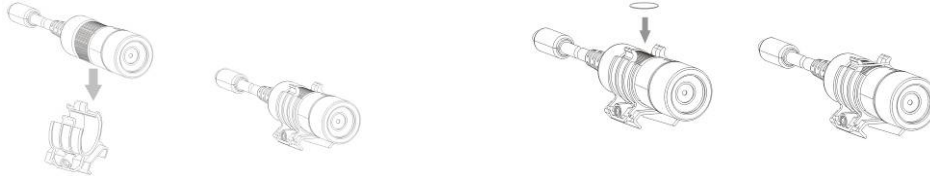
1. Open the SD card slot cover.
2. Press SD card in lightly, SD card will eject out automatically.
3. Take out SD card and close the SD card slot cover.



Install instruction

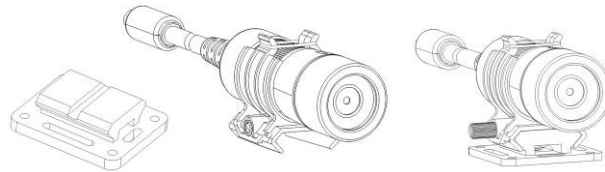
1. Install Lens emitter

According to the picture, put the camera into the camera pedestal, and then tie the rubber ring to the camera pedestal to make the installation firmly fixed.



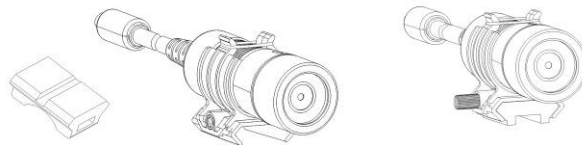
2. Install pedestal

According to the picture, put the helmet pedestal into the bottom of camera pedestal, and then tighten the bolt.



3. Install bicycle pedestal

According to the picture, fix the bicycle pedestal into the bottom of camera pedestal, and then tighten the bolt.



4. Other instruction

Nylon strap: You can pull it through the hole of the helmet pedestal, and tie it on the helmet or other equipment as your request.


Sponge mat: You can use it to stick and fix the camera on the glazed surface like on glass, etc

Hook Loop: You can use it to help fastness the camera in different places.

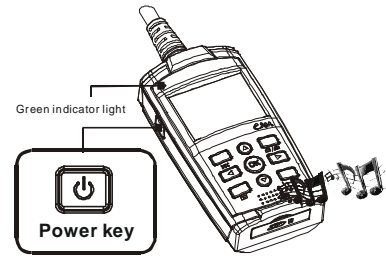
Binding lace: You can use it to tie the camera firmly.

Basic Operation:

1. Power key

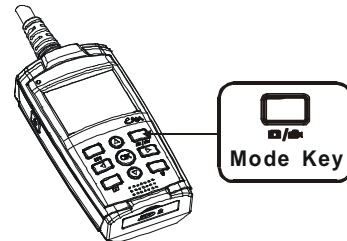
Press power key  on left side to turn on, The LCD screen display welcome image with starting sound and the green indicator light in top left corner will light up.

Press power key  again to power off.



2. Mode Key

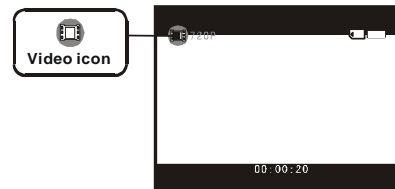
When camera is powered on, Press "MODE" key to select Camera/video mode.



- **Video mode**

Select video mode, a small video icon will display on the left top corner of TFT screen.

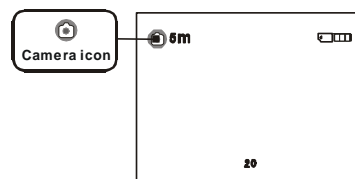
Under the video mode, you could make either video setting or recording, or switch to video browse.



- **Camera mode**

Select camera mode, a small video icon will display on the left top corner of TFT screen.

Under the camera mode, you could make either picture setting or shooting, or switch to picture browse.



3. Video mode operation

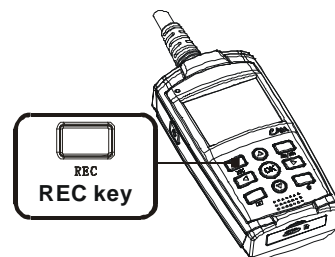
- **Recording**

Aim at the target you want to shoot, press **REC** key to start recording, a red flickering point will appear on left top corner of TFT screen,

Meantime the recorded time will display on the bottom of screen.

Press again **REC** key again to stop recording, and the recorded video will automatically save.

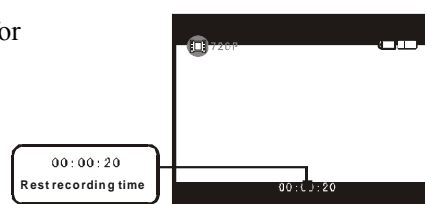
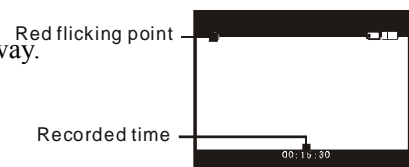
Audio can be recorded directly during the video recording, and also can be recorded through the plug-in microphone to recorder the sound from one meter away.



- **Screen icon clear**

During Video recording, press the "MODE" key once to clear all the icon display on screen (this can make a clean image when output to TV at the same time for live broadcasting)

After recording, TFT screen will display the rest recording time in the bottom.



- Picture capture

During the process of recording, press **OK** to capture the image from the video.

(Memo: When you capture picture, the video recording is still continuous working, only under the Review/ Browse status can you browse the pictures you have just captured down)

- Focus Adjusting

Press  /  key to adjust the focus.


 Key



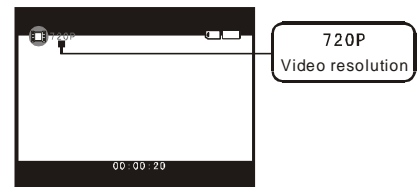
 key



- Select video resolution


Under the video mode, press  key to select video resolution of 720P/WVGA/1080,


The present selected resolution icon would be displayed on left top corner of TFT screen.

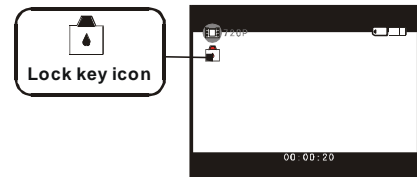


- Lock key

To avoid the faulty operation caused by external pressing from other objects, there is a function to lock the key.

Under video mode, press  key to enter key for about 2 seconds to enter locked status, the lock key icon will be displayed on TFT screen.

Long press  key for about 4 seconds to quit key locked status.



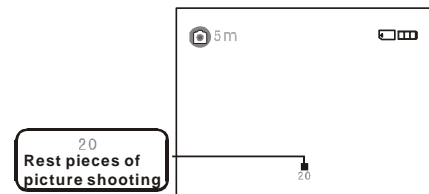
4. Camera Mode Operation

- Picture Shooting


Aim at the target you want to shoot.

Press **REC** key to take shooting and it will auto save.

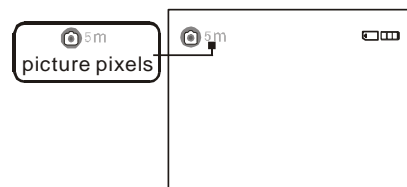
The rest pieces of picture available for shooting is displayed on the bottom of TFT screen



- Select picture pixels

Under the camera mode, press  key to change picture pixels of 8M/5M,

the present selected picture pixels will display on left top corner of TFT screen.



- Focus Adjusting
Press \triangle / ∇ key to adjust the focus.

\triangle Key



∇ key



- Picture browse
Press \triangleleft key to review the picture you just shoot.
Press again \triangleleft key to return to camera mode.

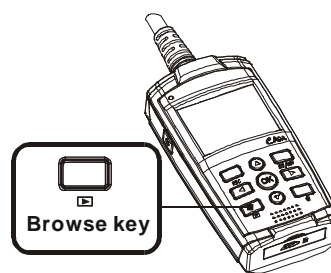
5. Browse mode

Press Browse key  to enter into browse mode,

- Files browsing

press \triangleleft left key / \triangleright right key to choose the video or picture you want to play, press ∇ key to preview the breviary file images, then press

\triangleleft / \triangleright / \triangle / ∇ key to select the file you want to browse, press **OK** key to browse.



- Playback the video file

When preview the breviary file images, press **OK** key to start playback, press OK key again to pause.


During the video playback process, press \triangleright key to forward the playback, press the \triangleleft key to backward the playback, press **OK** key to pause, press again to continue.


- Review every frame

During playback status press **OK** to pause, press \triangle key will enter every frame reviewing status, press left or right key \triangleleft / \triangleright to check every video frame.

Press \triangle key to quit every frame status, press **OK** key again to continue video playback.

- Delete key

When in browse mode, press delete  key to delete the browsed file, the TFT screen will display "ALL/YES", press the left key \triangleleft or right key \triangleright to select

“ALL”-means to delete all the files, select “YES” to delete the current file, press **OK** key to confirm. If not to delete any files, press once the  key to quit the delete mode.





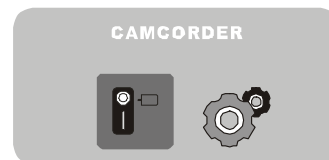
Menu Setting

When the camera is powered on, long press the **OK** key for 2-3 seconds to enter menu setting.





- Camcorder setting:

Enter menu setting, the default mode is under “CAMCORDER” mode, press **OK** key to enter submenu setting, press left key  /or right key  to select the “CAMCORDER” submenu you want to set.




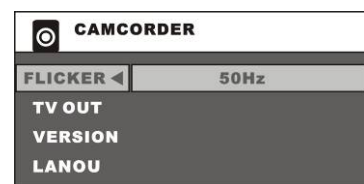
- FLICKER Setting

Select FLICKER, press  key to enter submenu.

Press  /  key to select the setting wanted



(50Hz/60Hz) then press **OK** key to confirm.

Press  key to quit “FLICKER” setting.




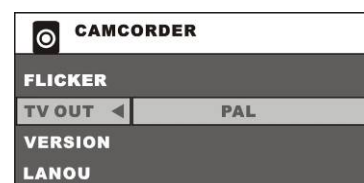
- TV OUT Setting

Select TV OUT, Press  key to enter submenu.


Press  /  key to select the setting wanted


(PAL/NTSC) , then press **OK** key to confirm.

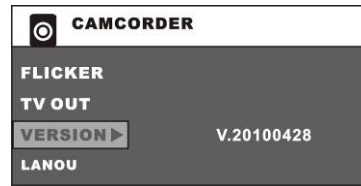
Press  key to quit TV OUT setting.



- Check System VERSION



Select VERSION, press  key to check system version.

Press  key to quit VERSION setting.




- Languages setting

Select LANGU, press  key to enter LANGU submenu,



Press up  /  down key to select the language options


(ENGLISH/FRENCH/DEUTSCH/ITALIANO/), Press **OK** key to confirm.



Press  Left key to quit LANGU setting.




- White balance setting

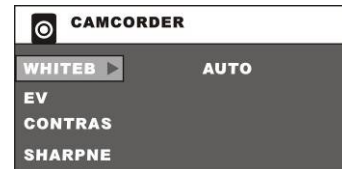
Press up  /  down key to enter next page, select

WHITE B, press  right key to enter into WHITEB submenu;


Press up  or/  down key

to select the setting (AUTO/SUNNY/CLOUDY/TUNGSTEN/FLUORESC), Press **OK** key to confirm.

Press  Left key to quit WHITEB setting.




- EV (Exposure) Setting

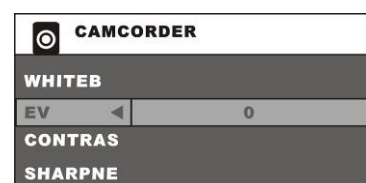
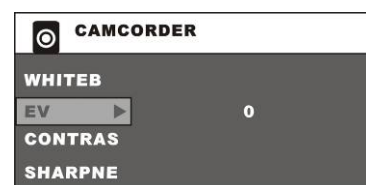
Select EV, press  right key to enter into EV submenu.

Press up  /  down key to select the setting

(0/0. 3/0. 7/1/1. 3/1. 7/2. 0/-2/-1. 7/-1. 3/-1/-0. 7/-0. 3/),



Press **OK** key to confirm.


Press  Left key to quit EV setting.




CONTRAST Setting



Select CONTRAS, Press  right key to enter CONTRAST submenu


Press up  or/  down key to select the setting (STANDARD/HARD/SOFT), Pre **OK** key to confirm.

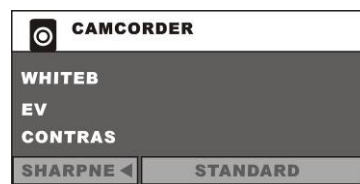
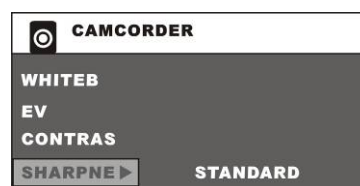
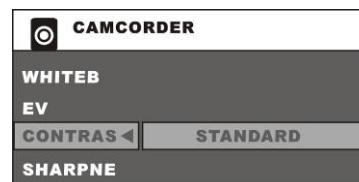
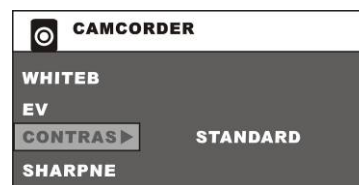
Press  Left key to quit CONTRAST setting.

- Sharpness setting


Select SHARPNE, press  right key to enter SHARPNESS submenu,



Press up  /  down key to select the setting (STANDARD/HARD/SOFT), press **OK** key to confirm.

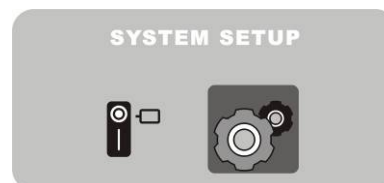
Press  Left key to quit SHARPNESS setting.




- System setting



Enter menu setting, press  key to select SYSTEM SETUP, Press **OK** key to enter submenu setting.


Press  /  key to select SYSTEM SETUP submenu you want to change.

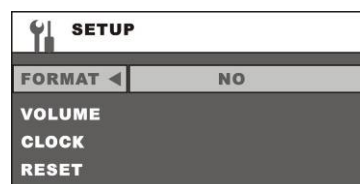
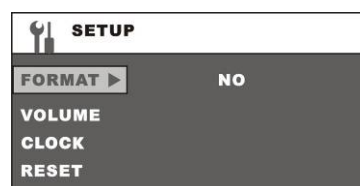


- FORMAT Setting

Select FORMAT, Press  key to enter FORMAT submenu.


Press  /  key to select the setting (YES/NO), press **OK** key to confirm.



Press  key to quit FORMAT setting.




Remark: It will automatically quit to main setting menu after memory formatting.

- VOLUME Setting


Select VOLUME, press  key to enter VOLUME submenu.



Press  /  key to adjust the volume needed (0~64), press **OK** key to confirm.



Press  key to quit VOLUME setting.

- Time Setting


Select CLOCK,

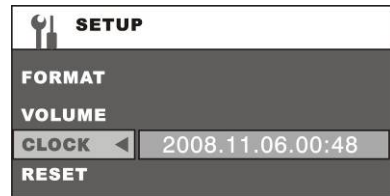
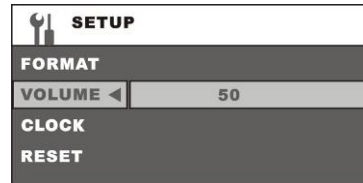
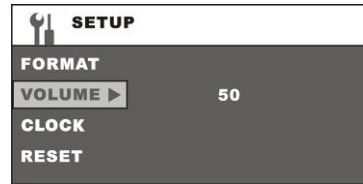
Press  key to enter CLOCK submenu.

Press  /  key to adjust the digit of time,

press  /  key to adjust the next time



option. Press **OK** key to confirm.

Press  key to quit CLOCK setting.




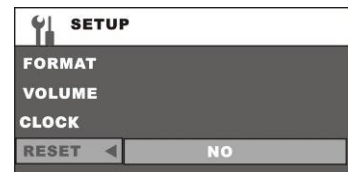
- RESET Setting

Select RESET, press  key to enter RESET submenu.

Press  /  key to select the options (YES/NO),

Select "YES" and press **OK** key will reset all the setting to default.

Press  key to quit RESET setting.




- Date Stamp setting

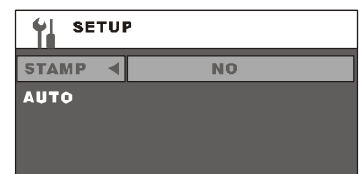
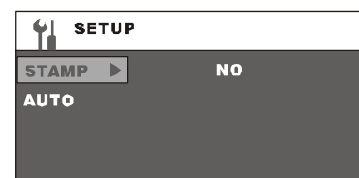
Select STAMP, Press  key to enter STAMP

submenu, press  /  key to select the setting

(OFF/ON),

Press **OK** to confirm



Press  to quit STAMP setting.




- AUTO SCREEN SAVING SETTING



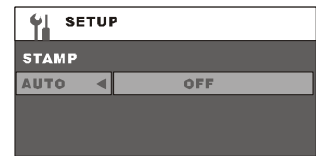
Select AUTO, press  key to enter AUTO submenu.。

Press  /  key to select the setting (OFF/30s/1min/3mins/5mins),

Press **OK** key to confirm.

Press  key to quit AUTO setting

Memo: When the auto screen saving function is set on, screen will auto turn off after the set time if there is no operation, press any key to light up the screen again.



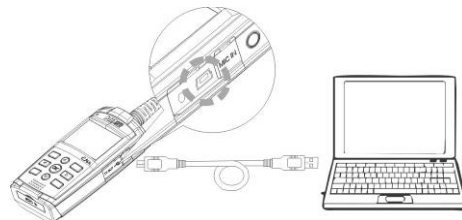
Remote controller instruction

1. Under video mode, press the “■” key to select 1080 / 720P / WVGA video resolution. Press “●” key once to begin to take video, press again to stop recording.
2. Under the camera mode, press “■” key select picture pixels 5M/8M, press “●” key to take picture shooting.
3. Every time press “●” key or “■” key, the red indicator will light up.



Connecting computer via USB cable

Turn on the power, connect the video camera to a PC via the USB cable, the camera LED will display “USB CONNECT”, mean it has been connected to computer successfully, you can playback the video & picture on computer.



Open “My computer”, there are two new removable disks, one is the built in memory disk, one is the SD Card storage disk

Open the two disks you can check and playback the files either in memory or SD card storage.

(Remark: If the receiver device is deleted from computer, the receiver will power off automatically, if to take video again please power on again.

TV output operation

When camera is powered on, connect camera to TV via AV cable, you can playback the recorded videos and pictures on TV.

(Memo: The operation playback on TV is same as operation on camera.)

Trouble shooting

- The function operation totally invalid?

Restart the camera, or check the storage card, replace with a new card or format the card.


- Power automatically off during using?

Check if the battery is too low.

- Pictures or video images are blurry?

Check if the lens is dirty; clean the lens with special cloth before use.

- Buttons are invalid?

Check if the camera is under LOCK-KEY status, long press the  key to quit Lock- key status.

- It auto stops recording after a period of time?

1. Format the SD card and try again
2. Or replace with a new SD card.

- System halted/invalid after insert SD card

1. Format the SD card and try again.
2. Or replace with a new SD card (Kingston class 4, etc).

- Stripe exist during recording

Please replace the battery.

- System halted when connected to PC or can't copy video to PC?

1. Check if the battery in camera is run out of power
2. Check if the computer is in too low configuration (it requires well-equipped system above window2000, 1G memory, etc)
3. SD card reader is recommended to use.

REMARK: THE CONTENTS OF THIS USER MANUAL ARE SUBJECT TO CHANGE WITHOUT NOTICE.