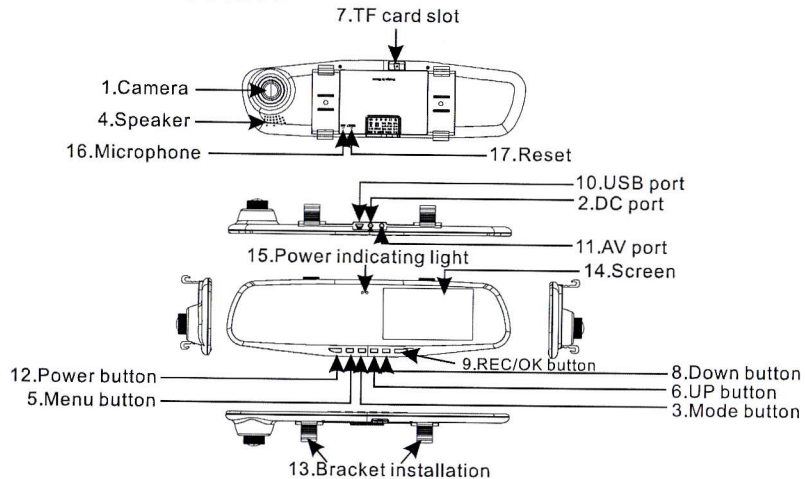


## **Characteristics of Product**

- A+degree HD wide angle lens
- Built-in 1/3 inch CMOS
- Built-in lithium battery, can recording and charging at the same time
- Built-in MIC&Speaker
- Support high capacity TF card: max. 32GB
- Support motion detection
- 4x digital zoom
- Support AV interface to connect TV

## Product Structure



1.Camera 2.DC port 3.Mode button 4.Speaker 5.Menu button 6.UP button  
7.TF card slot 8.Down button 9.REC/OK button 10.USB port 11.AV port  
12.Power button 13.Bracket installation 14.Screen 15.Power indicating light  
16.Microphone 17.Reset

## Battery charging

- 1.Please connect the USB port with car charger to start charging.
- 2.USB charging. Connect the USB cable with the computer at one side, connect the USB port of car DVR at another side.
- 3.Below is the capacity of the battery for reference.



Full capacity



Medium capacity



Low capacity.

- 4.When charging, the blue indicator will flash and will stop flashing automatically when finish charging.

## Installing and Taking-out of TF Card

- 1、 When installing the micro SD card ,insert the micro SD card into the slot in line with the indication direction.
- 2、 When removing the card,gently press the micro SD card, and take it out when it pops out.

### Warm Tips:

- 1、 Please confirm the inserting direction for the micro SD card, if the inserting direction is incorrect, the machine and card maybe be damaged.
- 2、 After the micro SD card is installed, the previous filel in the TF card can not be read.
- 3、 If micro SD card format is incompatible with the machine, please insert the card again or change another card.
- 4、 Please use original high speed TF card( Card speed at Class6 or higher).

## Use guideline

### 1.Power on/off of machine

Short press the power key to turn on the machine. Long press the power key to turn off the machine.

Press the Mode Key shortly to switch video mode, image mode and playback mode.

Press Menu key shortly to enter the main menu function setup list:

Date/Time: To set the date and time

Setting language• To set the language that you need

Key sound: Key sound turned on and off.

TV mode: To set NTSC/PAL

Light Frequency: Used for choosing the light frequency 50HZ/60HZ  
(Current Frequency)

Auto close screen: This function is used for setting the screen close time


Formatting: To format the Memory of Micro SD Card.

Default set: Used for setting system parameter as preset value of factory-fresh.

Version: Used to check the version number for the recorder.

## Camera mode & function setting

### 1. Camera Mode • •

After the machine completes the start mode, the upper left corner on the display will present the camera mode sign "  ".  
press the OK Key to start recording and the icon "●" will flash.  
When press the OK Key again, recording will be stopped and the icon "●" will stop flashing at the same time.

### 2. Function list mode

Press the MENU key to enter the context menu mode.

In the function list mode, you can modify the following contents.

Resolution: 1080P/720P/WVGA/VGA/QVGA

Loop recording: Off/1 minute/2 minutes/3 minutes options.

Motion detection: turned on and off.

Audio recording: turned on and off.

Date mark: turned on and off.

G-sensor: Off/High/Medium/Low

Warm Tips :

When the machine is in low battery capacity, please turn off the machine to charge it for a while. Then to turn on the machine to start recording.

### Photographing Mode Setting

1. Press the mode key to select the photo mode. In the photo mode, the photo mode sign  will appear on the upper left corner of the display to mean that that the photo mode is entered currently.

2. Press the up and down key to set the digital zoom.

3. Press the REC Key to take photo.

4. Press MENU Key to modify in the context menu mode:

Resolution: 12M/10M/5M/3M/2MHD/VGA/1.3M

Continuous shooting: On/Off



Image quality: High/Standard/Normal

White balance: Auto/Sunlight/Cloudy/Tungsten lamp/Fluorescent lamp

ISO: Auto/100/200/400

Exposure Compensation: Anti-Shake: On/Off

## Playback mode

1. When the machine starts recording. Press the MODE Key to enter into single playback mode. Press Up or Down Key ,you can browse.
2. Press Up or Down Key to choose the image. Press OK Key to confirm it. The icon  will appear on the upper right hand corner. Press the OK Key for playing or pause the video .The icon  which appear in the upper left hand corner denotes the image file.
3. Delete and protect  
In the Playback mode, press the MENU Key to enter the delete and protect options. Press the OK Key to delete the current file; Press the OK Key to protect the TF card.

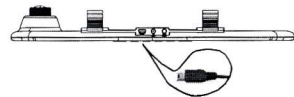
## Simultaneous recording & charging mode

Use the charger to connect the USB port of the machine . When power on, the machine will enter Simultaneous Recording & charging mode.

## Data backup

USB backup mode:

Use the USB cable to connect the machine with the computer. When the machine is powered on automatically , the notice "RAM" , will appear, press the OK Key to confirm. Click "My Computer" on the computer table, to fine the file in the removable disc /DCIM folder.



RAM  
camera



Remarks:

1. Computer operation systems: Windows 2000/XP/Vista/Windows7
2. RAM camera can be used as computer camera.
3. Take the USB cable out, the machine will be powered off automatically.

## Operation for Connecting Computer

1. Use AV connecting wire to connect the computer with the machine to start playing the video and browse images.

### Tips:

1. No need to install the drive program.
2. If the product is not properly used to cause some problems.  
Press the Reset Key to power on the machine again. Then, the problems can be solved.

## Parameters of Product

CPU	96223
Platform	DV Turnkey
Memory	DDR3 1GB
Anti-shake	Support
Number enlarge	4 times
Video resolution	1080HFD 1920× 1080 /720P 1280× 720 /WVGA 848×480/VGA 640×480
File format	Image: JPG Video: AVI
G-Sensor	Support
Color effect	Colorful/black&white/brown
Seamless recording	Support
Emergency locking file	Support
Motion detection	Support
Year/Month/Day/Hour/Minute	Support
Memory card	TF card(max. 32GB)
Multi- language	Support
AV port	Support
TV system	NTSC/PAL
USB function	1.RAM 2. Camera
Screen	4.3 inch