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.

![Battery capacity levels]

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

- Full capacity
- Medium capacity
- Low capacity
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 file in the TF card cannot 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 Class 6 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 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/Daylight/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.

Remarks:
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

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPU</td>
<td>B6223</td>
</tr>
<tr>
<td>Platform</td>
<td>DV Turnkey</td>
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<tr>
<td>Memory</td>
<td>DDR3 1GB</td>
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<tr>
<td>Anti-shake</td>
<td>Support</td>
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<tr>
<td>Number enlarge</td>
<td>4 times</td>
</tr>
<tr>
<td>Video resolution</td>
<td>1920×1080, 720P, 1280×720, 640×480, 848×480</td>
</tr>
<tr>
<td>File format</td>
<td>JPG, AVI</td>
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<tr>
<td>G-Sensor</td>
<td>Support</td>
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<tr>
<td>Color effect</td>
<td>Colorful/black/white/brown</td>
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<tr>
<td>Seamless recording</td>
<td>Support</td>
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<tr>
<td>Emergency locking file</td>
<td>Support</td>
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<tr>
<td>Motion detection</td>
<td>Support</td>
</tr>
<tr>
<td>Year/Month/Day/Hour/Minute</td>
<td>Support</td>
</tr>
<tr>
<td>Memory card</td>
<td>TF card (max. 32GB)</td>
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<tr>
<td>Multi-language</td>
<td>Support</td>
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<tr>
<td>AV port</td>
<td>Support</td>
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<td>TV system</td>
<td>NTSC/PAL</td>
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<tr>
<td>USB function</td>
<td>1, RAM 2, Camera</td>
</tr>
<tr>
<td>Screen</td>
<td>4.3 Inch</td>
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