Mini Action Camera
1080P
User Manual

NOTE:
1080P (Mini Action Camera) is referred to as the "camera " throughout this instruction manual.
Please read this Manual carefully before using the camera.
(The camera is not a toy. Keep it away from the kids aged below 7 years old)

GET TO KNOW YOUR MINI ACTION CAMERA

1. Key Features
   Video: 720P/30fps; 1080P/15fps
   Still picture: 5.0 Mega Pixels
   Anti-shock and Waterproof
   Support up to 32GB MicroSD card (Card not included)
   Built-in 850mAh Lithium battery for around 2.5 hours continuously use

2. Specifications

<table>
<thead>
<tr>
<th>Image Sensor</th>
<th>1/2.5&quot; 5.0 Mega Pixels CMOS sensor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Resolution</td>
<td>Still Image: 2592 x 1944</td>
</tr>
<tr>
<td></td>
<td>Video: 1280 x 720@30fps;</td>
</tr>
<tr>
<td></td>
<td>1440 x 1080 @15fps</td>
</tr>
<tr>
<td>Lens Aperture</td>
<td>F/2.4 f=3.0mm</td>
</tr>
<tr>
<td>Lens</td>
<td>4G+IR(100 Degree Fov)</td>
</tr>
<tr>
<td>Storage Medium</td>
<td>Micro SD/SDHC(up to 32GB)</td>
</tr>
<tr>
<td>Lens Focus</td>
<td>1.2m to infinity</td>
</tr>
<tr>
<td>Data Format</td>
<td>Picture:JPEG,Video:AVI</td>
</tr>
<tr>
<td>Interface</td>
<td>USB 2.0 High Speed</td>
</tr>
<tr>
<td>Power Supply</td>
<td>850mAh/3.7V, Li-Battery</td>
</tr>
<tr>
<td>Charger</td>
<td>5V/600MA</td>
</tr>
<tr>
<td>Weight</td>
<td>70G (N.W)</td>
</tr>
<tr>
<td>Waterproof</td>
<td>IPX8</td>
</tr>
<tr>
<td>Dimensions</td>
<td>Camera: 90(L) X 40(W) X 42(H)mm</td>
</tr>
<tr>
<td></td>
<td>Base: 47(L) X 47(W) X 52(H)mm</td>
</tr>
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System Requirements

<table>
<thead>
<tr>
<th>Operating System</th>
<th>Windows XP/Vista/7</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPU</td>
<td>Pentium III 667MHz or above</td>
</tr>
<tr>
<td>RAM</td>
<td>At least 64MB</td>
</tr>
<tr>
<td>Interface</td>
<td>USB port</td>
</tr>
</tbody>
</table>
3. Functional Parts

3.1 Power On & Power Off the Camera

1. To power on the camera
Press and hold the "POWER MODE" button, the camera will vibrate and the red indicator will be on.

2. To power off the camera
Press and hold the "POWER MODE" for 2 or 3 seconds, the camera will vibrate and the red indicator will be off.

3.2 Inserting a Memory Card

Pull off the Cap from the back of the camera, insert a Micro SD card into the card slot.
Ensure the Cap is put on the back of the camera after the Micro SD card is inserted.

NOTE:
1. We suggest to use CLASS 6 (High speed) Micro SD card for smooth shooting purpose. Lower CLASS of Micro SD Card may cause video blur.
2. Ensure the camera is dry and powered off before pulling the Cap from the back of the camera.
3. There is only one correct direction to insert the Micro SD card into the slot. Do not force the card into the card slot, as it may damage both the camera and the Micro SD card.
4. A new Micro SD card should be formatted before using.

3.3 Auto off
The camera will be auto off when no operation for 3 minutes. Also, the camera will be auto off when no Micro SD card or the Micro SD card is full or low battery.

3.4 Battery-Low warning
The blue & red light will flicker and the camera will auto off in 10 seconds. The video shooting stop and the video clip will be saved into the Micro SD card.
Note: In case the battery runs out, the system time will be reset back to default.

3.5 Charging the camera

1. Charging by PC
Connect the camera to the PC via USB cable. The red indicator flickers once and off. Then, blue indicator will be on when charging in process. When the battery is fully charged, the blue light will be off. It takes around 3-4 hours to fully charge the battery.

2. Charging by A/C adapter
Connect the camera to the A/C adapter, the Red indicator will be on and the Purple indicator starts to flicker when charging in process. When the battery is fully charged, the Red indicator will change to Green and the Purple indicator will be off.

Important Note:
The camera require a specific A/C adapter to charge the battery. Please consult your dealer and choose a correct A/C adapter to charge the camera. Improper A/C adapter could damage the camera/battery.

3.6 Shooting Video & Single Picture

1. Video Recording
When the camera is on, press "REC" button to start recording, the "red" indicator will flicker throughout the recording.
Press "REC" button again to stop recording, the "red" indicator stop flickering, the video clip will be saved automatically.

2. Shooting Single Picture
Press "POWER MODE" button to switch from "Video" mode to "Single
Picture" mode. The blue indicator will be on. Press "REC" once to shoot a single picture.
Press the "POWER MODE" circularly, switching between the "Video" Mode and the "Single Picture" mode.

3.7 Turn on & Turn off the LED light
The LED lights can be used to shoot video/still picture in dark area as well as a flashlight.
1. To turn on the LED Lights
Press the "LIGHT" button once, 4 LED lights will be turned on;
Press the "LIGHT" button again, 8 LED lights will be turned on.
2. To turn off the LED Lights
When the 8 LED lights are on, just press the "LIGHT" button to turn off the LED lights.

3.8 PC Camera (Webcam)
The Camera can be used as a PC camera (webcam)
1. Make sure to turn on the camera before connecting to the computer.
2. The camera will be detected and the driver will be installed automatically under Windows XP/Vista/7 when the camera is connected to the computer via USB cable.
3. After the driver installation is completed, the PC camera function is ready to use.
Note: A PC camera program is needed to support this function.

3.9 Transferring files to PC
Please copy the Video/Picture files into your PC for better playback. The Camera can be used as a "Removable Disk" when it's connected to PC.
1. When the camera is off, connect the camera to a PC via USB cable.
The camera will be detected by the PC and the "blue light" starts flickering.
2. A "Removable Disk" icon will appear in "My Computer" of the PC. All the Video/Picture files can be transferred to the PC.
3. Detach the camera from the PC, the "Blue Light" will be off. The files transferring will be stopped.

4.0 Playback on TV
1. Connect the Camera to a TV via the AV cable.
2. Turn on the camera and press "REC" button to play the Video directly.
3. Browsing the Video/Picture files:
Press "LIGHT" or "POWER MODE" button to browse the files stored in the camera. Press "REC" button to play the Video.
4. Pause:
When playback the video, press "REC" button to pause, press "REC" button again to continue to play.
5. Fast forward/Backward
When playback the video, press "Power Mode" button for fast forward and press "Light" button for fast backward.
6. Press and hold "POWER MODE" button for around 2 seconds to exit Playback.

4.1 Menu Setting
Connect the camera to a TV via the AV cable. Turn on the camera by pressing and holding the "POWER MODE" button for around 2 seconds.
1. Enter the Menu Setting
Press and hold "REC" button for around 2 seconds to enter the menu.
2. Change the Menu Parameter
Press "POWER MODE" or "LIGHT" button to browse the Menu. Press "REC" button to enter each Menu and select the preferable parameter by pressing "POWER MODE" or "LIGHT" button. Press the "REC" button to save & exit the setting.
3. Date/Time
Set up the DATE and Time for the camera.
4. Caution Sound
Select "Shake", "Sound" or "Off" options for the button operative tone.
5. Language
Total 9 languages for selection:
English, Deutsch, Francais, Espanol, Italiano, Portugus, 繁中文, 简体中文 or 日本語.
6. Frequency:
Select 50HZ or 60HZ to suit your local frequency.
7. TV output Mode:
Select the NTSC or PAL to suit your TV system.
8. Default Setting:
Select "OK" to restore the default setting which set by the factory. (The system time will not be reset)
Select "Cancel" to exit without reset the default setting.
9. Quality:
Select the Video/Picture quality:
Super Fine (HD 1080P); Fine (720P); Normal.
10. Video Time:
The video will be separated into difference files by the Time Length selected: 10 Seconds; 1 Minute; 5 Minutes; 10 Minutes; Off. For example, if you select “5 Minutes” Time Length, a 20 Minutes video will be separated into 4 Video Clips (5 Minutes each Clip). “OFF” is for shooting video without separating the video into difference clips.

11. Auto Delete:
Please select this function carefully. If select “ON”, the camera will auto delete the data stored in the Micro SD when it is full in order to get space for continuing shooting. If select “OFF”, the camera will auto turn off when the Micro SD is full.

12. Date Stamp:
When “ON” is selected, the DATE will be stamped on Video/Picture. When “OFF” is selected, no DATE will be stamped on Video/Picture.

13. Version
It shows Firmware Version information.

4. Trouble Shooting

<table>
<thead>
<tr>
<th>Problems</th>
<th>Causes</th>
<th>Solutions</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. LED Flickers and camera turns off</td>
<td>Low battery / No Micro SD Card</td>
<td>1. Recharge the camera</td>
</tr>
<tr>
<td>2. Cannot turn on the camera</td>
<td></td>
<td>2. Insert a Micro SD card</td>
</tr>
<tr>
<td>Camera turns off automatically</td>
<td>The micro SD card is full</td>
<td>iTrnr atnsferi trhoe file st s totreidr</td>
</tr>
<tr>
<td>Red and Blue Lights flicker during recording</td>
<td>Low battery</td>
<td>Recharge the camera</td>
</tr>
<tr>
<td>Cannot find removable disk after connecting the camera to the computer.</td>
<td>Connection failure.</td>
<td>1. nMnaeketi osnusr e rUeS sB ccarbele and rseesstarrt the computer</td>
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