AEE CAMS

... SHOOT YOUR ADRENALINE

USER MANUAL

AEE S80

AEE.COM

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Precautions

When using the Video camera, adhere to the following precautions:

1. Do not drop the camera, avoid hard impacts and vibrations. Usage without the waterproof housing affects your warranty!
2. Do not put the video camera close to an object that generates strong magnetic field, such as a magnet or a motor. Do not put the video camera close to an object that emits powerful radio waves, for example, an antenna. Strong magnetic field may cause faults on the video camera or damage the image / voice data.
3. Do not expose the video camera to high temperature or direct sunshine.
4. Do not put the memory card close to an object that generates strong magnetic field, such as a television set, a speaker, or a magnet. Do not put the memory card in a place where static electricity is easily generated.
5. Disconnect the power supply to stop recharging the battery immediately when over heat, smoke, or peculiar smell occurs during recharging.
6. Keep the video camera out of reach of children during recharging, because the power cable may cause asphyxia or electrical shock on children.
7. Store the video camera in a cool, dry, and dust-free place.

Preface

Thank you for purchasing the AEE HD digital mini camera. With this camera featured by mini size, integrated design, user-friendly interface, easy operations and hands-free photography, you can shoot high definition photos and videos anytime anywhere, and the dynamic motion photography allows you to share wonderful events with your family and friends.

This Manual provides detailed information on how to install and use the camera, including instructions on use, precautions for operation and installation, and technical specifications. Please read this Manual carefully before using the camera and keep it for future reference.

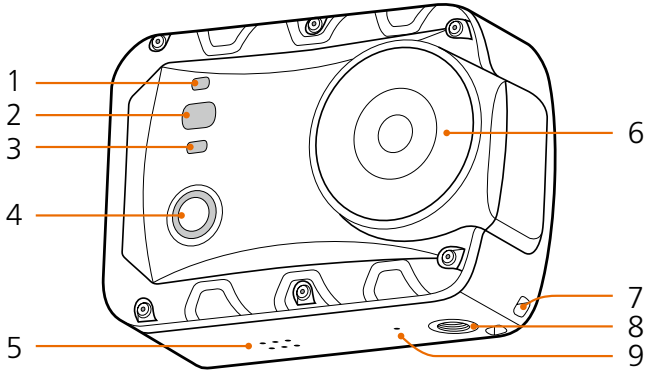
This Manual is applicable to AEE camera S80. Please note that the camera and accessories you have received may slightly vary with descriptions in this Manual due to technological innovation. If you have any question, please contact us.

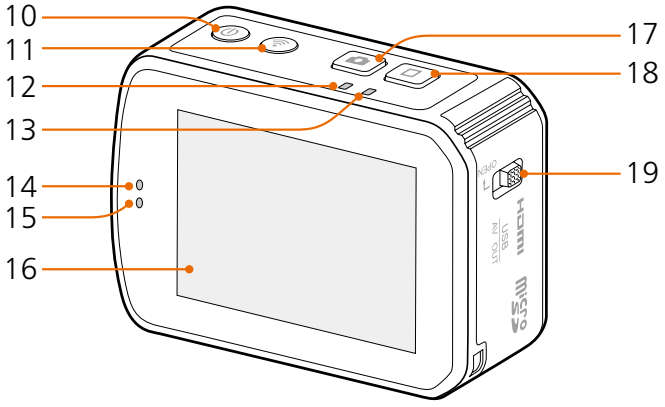
Warranty

This product has been certified by certification bodies for compliance with related safety regulations and specifications issued by the federal communications commission (FCC) and council of Europe (CE).

Dispose of properly. Recycle it for a greener earth!

Component Guideline





1. Wi-Fi status indicator (L1)
2. Recording status indicator (L2)
3. Charging status indicator (L3)
4. Video/audio recording key
5. Speaker
6. Lens
7. Strap hole
8. Tripod mount
9. Microphone
10. Power key

11. Wi-Fi key
12. Recording status indicator (L2)
13. Charging status indicator (L3)
14. Recording status indicator (L2)
15. Charging status indicator (L3)
16. TFT touch screen
17. Shutter key
18. Stop key
19. Storage cover

Description of Indicators

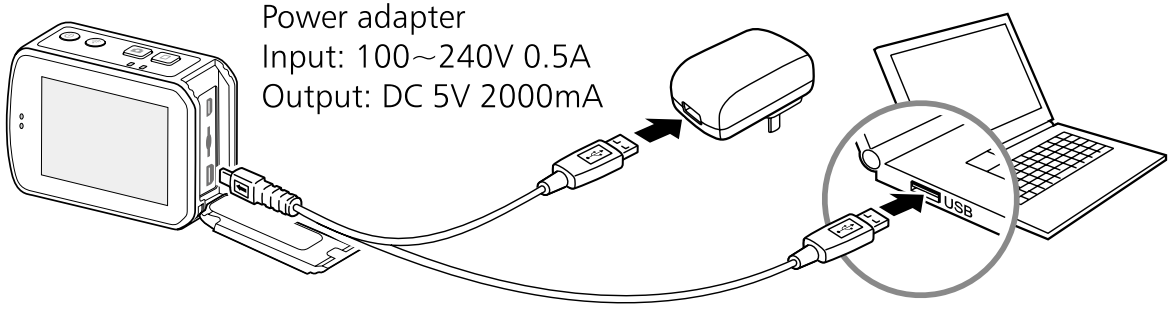
Position / Status	Blue indicator	Green indicator	Red indicator
	L1	L2	L3
Startup	/	/	Flash once and then Stay on
Video recording	/	Flash slowly	/
Audio recording	/	Flash slowly	/
Photo shooting	/	Flash once	Stay on
Card full	/	Stay on	Stay on
Charging (switched off)	/	/	Flash slowly
Fully charged (switched off)	/	/	Stay on
Low-battery indicator	/	/	Flash fast for 5s and then auto power off
Data transmission	flash slowly	/	Stay on
Wi-Fi on	flash slowly	/	Stay on

❗ You can long press the Shutter key to turn on/off the screen. The Red LED will be illuminated when screen turns off.

Preparations Before Use

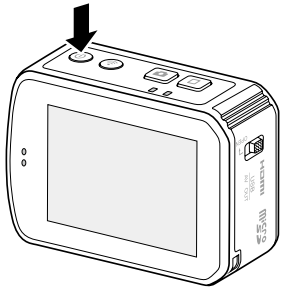
1. Charging

Start up the unit to check the battery power. If the battery level is low, charge it.
Use USB cable to charge Video camera:



2. Startup

Long hold the Power key for about 3s:



2 red indicators will be lit up, Video camera enters recording standby mode.

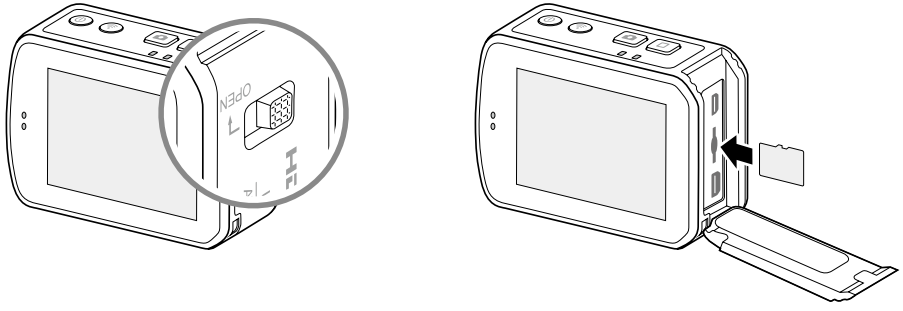
3. Insert and Remove The Memory Card

Though all TF cards above Class 10 can be used on Video camera, high-speed card is recommended to perform high-definition shooting. When shooting during dynamic motion, brand SDHC cards are recommended for use in order to ensure smooth shooting.

* Insert the memory card

a. When the device is off, turn the push key on the storage cover to the “OPEN” position; then push the storage cover in the direction of arrow.

b. Insert TF card into the memory card slot in the arrow direction flatly to the end. A "click" can be heard to indicate the card has been well inserted.



* Remove the memory card

Press the center of exposed part of TF card and TF card will pop up slightly. Then pull it out flatly.

❗ Before connecting the host to Wi-Fi or the remote control, please first insert the TF card.

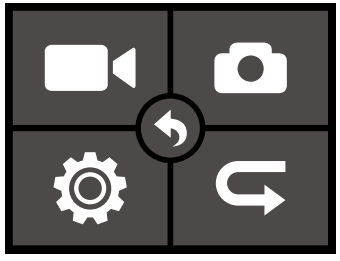
4. Basic Operations of Touch Screen

a. Gently touch the screen in preview state; the function of each icon at this moment is described as follows:

" Ⓜ " To enter the main menu
" ⊕ " Zoom in
" ⊖ " Zoom out

b. Press " Ⓜ " to enter the main menu; the function of each icon at this moment is described as follows:

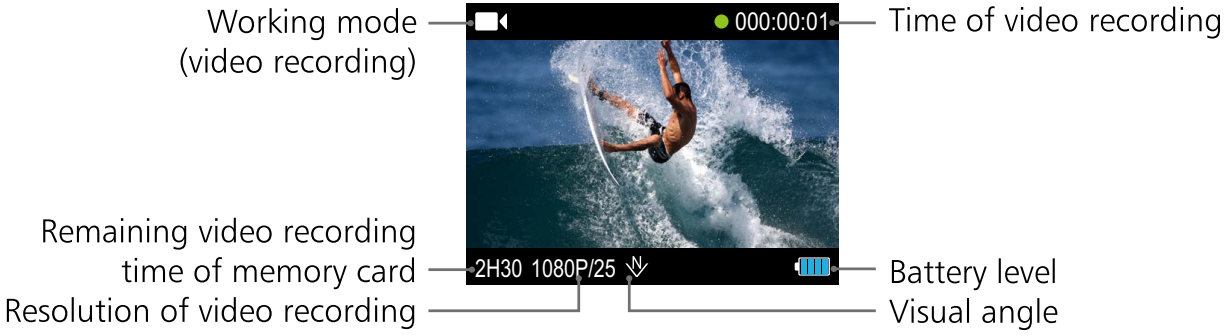
" " Setting of Video Recording Parameters
" " Setting of Photo Shooting Parameters
" " Setting of Basic Parameters
" " Playback Interface
" " To go back to the preview state



Video Recording

1. Basic Operations of Video Recording

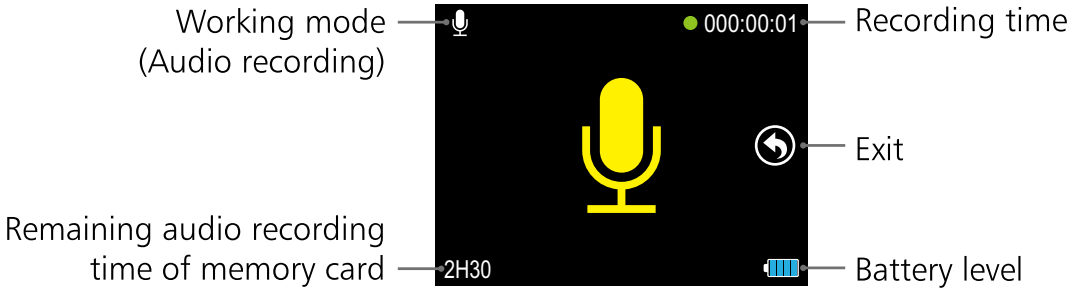
a. Turn on Video camera to enter recording standby mode;
b. Aim the lens to the subject and preview it in TFT display;
c. Press "Video recording" key once to start video recording;
- The system will tick once to indicate the effective of video recording, TFT display is shown as below for video recording:



d. During video recording, press the "Stop" key once to stop video recording.
- the system generates a tick tone twice ,indicating that the video recording operation stops recording, and the time counter stops.
- The display will return to recording standby mode.

2. Basic Operations of Audio Record

a. Enter audio record mode and press "Video Recording" key to start audio recording.
- The system will tick once to indicate the effective of video recording.



b. During audio recording, press the "Stop" key once to stop audio recording.
- The system generates a tick tone twice, indicating that the video recording operation stops.
- The display will return to recording standby mode.

3. Parameter Setting For Video Recording

a. Press " " in the main menu to enter the "Setting of Video Recording Parameters" interface > Select the desired function icon to enter the corresponding interface;
b. Select the desired function parameters; the red function icon on the left has the "go back" function;
c. Press " " after setting > Press " " to go back to the preview state;

- **Execution Mode**

- Video recording ( ) ;
- Video-only Mode ( ): In this mode, you can record a video without voice;
- Voice recording ( ) ;
- Time Lapse Mode ( ) : Time Lapse function can record one picture as a frame of the video according to the time interval you set. It doesn't need the post editing, and can easily make the continous evolution and movement. The available options are 1s, 2s, 5s, 10s and 30s; (The function is unavailable in 720P 100f/120f modes.)

- Auto Video Mode ( ) : If this function is enabled, the system will auto start recording videos according to the countdown time you set. The available options are 5s, 10s, 20s;

- **Video resolution**

The optional resolutions for video recording are listed as below:

Resolutions	PAL System	NTSC System
1080P(16:9) 1920 x 1080	24fps, 25fps, 48fps, 50fps	24fps, 30fps, 48fps, 60fps
960P(4:3) 1280 x 960	48fps, 50fps	48fps, 60fps
720P(16:9) 1280 x 720	50fps, 100fps	60fps, 120fps

- **View Angle**
  Optional view angle: Wide, Medium, Narrow, Small.

: Wide

: Medium

: Narrow

: Small

- **Bitrate**
  This unit provides two bit rate options: high " F " and normal " N ". (If high bit rate is selected, you will get clearer picture with increased file size).

- **Video Content Loop**
  You can activate or deactivate loop recording function. If ON, video file will be automatically stored in segment of 10 minutes; If OFF, video file will be stored in segment of 15 minutes.

- **180° Photo Rollover**
  When this function is activated, upright video file can be obtained when using Video camera to shoot video upside down. (The function is unavailable in 720P 100f/120f modes.)

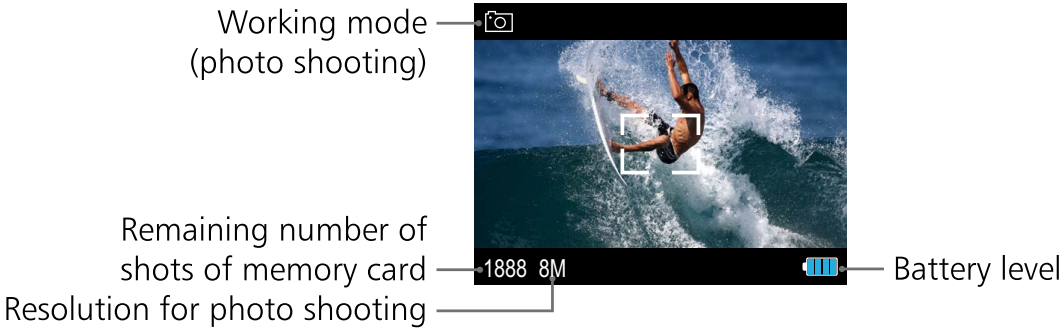
- **Display Time**
  You can choose to display or not display the video recording time at the bottom right corner of the photo. (The function is unavailable in 720P 100f/120f modes.)

Photo Modes

1. Operating Procedure for Photo Shooting

a. Turn on Video camera to enter recording standby mode;
b. Cast the lens to the subject and preview it on the display;
c. Press the "Shutter" key once to switch the working mode to "photo modes";
d. Press the "Shutter" key again to shoot one photo.

- The system generates will click to indicate completion and the system will return to photo shooting standby mode;
- TFT display under photo shooting mode is shown as below:



2. Parameter Settings for Photo Shooting

a. Press " " in the main menu to enter the “Setting of Photo Shooting Parameters” interface > Select the desired function icon to enter the corresponding interface;
b. Select the desired function parameters; the red function icon on the left has the “go back” function;
c. Press " " after setting > Press " " to go back to the preview state;

- **Capture Mode**

- Single Shot Mode ( ): Take one photo when the photo shooting key is pressed;
- Fast Shot Mode ( ): Video camera takes several photos within one second. three modes are available: 3 p/s, 6 p/s and 8 p/s (photo/second);
- Continuous Shooting Mode ( ): In this mode, you can shoot photos continuously as per the preset time interval until you press the "Stop" key. The available modes options are 0.5s, 1s, 2s, 3s, 5s, 10s, 20s;
- Self Timer Mode ( ): When the "Shutter" key is pressed once under recording standby mode, Video camera will start countdown and take a photo at the set time. The available modes options are 3s, 5s, 10s;

- **Photo Resolution**

  Select the required resolution for shooting. You can set this parameter to "8M", "12M" or "16M".

- **Display Time**

  You can choose to display or not display the photo shooting time at the bottom right corner of the photo.

Other Basic Setting

a. Press " " in the main menu to enter the “Setting of Basic Parameters” interface(the function of each icon is described as follows) > Select the desired function icon to enter the corresponding interface;
b. Select the desired function parameters; the red function icon on the left has the “go back” function;
c. Press " " after setting > Press " " to go back to the preview state;

- **Warning Tone**
  Adjust the loudness or mute of buzzer. three modes are available: Off, Medium(50%) and Standard(100%).

- **Status Indicator**
  Activate or deactivate the status indicators. three modes are available: Off (All OFF), Two (Only front cover and top cover) and On (All ON).

- **On Screen Display**
  Display or hide the recording icons or information on the display screen.

- **Auto To Standby**
  Video camera is set to automatically enter standby mode if no operation is (photo shooting, video recording or key operation) carried out in certain time. If any operation is carried out in the timing process, the timer will be reset. Under standby mode, press video recording key/shutter key/stop key to awaken Video camera. The available modes options are Off, 2 minutes, 5 minutes and 10 minutes.

- **TV Output Format**
  This setting is designed to ensure that the frame rate of video recording matches with the playback format of on TV.

- **Select Light Metering Mode**
  To achieve the best exposure effect, use central spot light metering mode when the central spot is bright while the surrounding environment is dark.

- **G-SENSOR**
  When this function is activated, Camera will actively sense the change of gravity. The system will automatically start video recording in case of shock or tilting, etc. It can free you from manual operation while conserving battery power. When the camera does not sense any gravity change for 3 minutes, it will exit video recording.

- **Language**
  Select the required language.

- **Date/Time**
  You can adjust the date and time, which are overlapped in the bottom-right corner of a video or shooting file during video recording or shooting.

- **Format**
  This option allows all the files in the memory is cleared.

- **Recover Factory Setting**
  This option allows all the settings of the system to be restored to original factory settings.

Playback

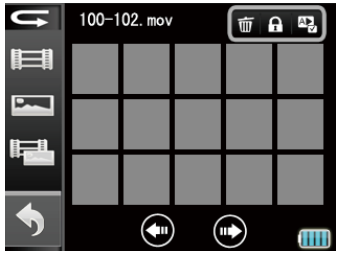
1. Operating Procedure for Playback

a. Press the " " key to enter playback interface;

: View thumbnails by page turning

: Delete Files/File Protection/Auto play

: To go back to the preview state



- Press "Video recording" key to select the file type and press "OK" key to confirm;
  : View video files
  : View photo files
  : View all video/audio/photo files
- Tap a thumbnail to view the file in full screen > press " " to go back to the playback interface;

b. Gently touch the screen when viewing a file in full screen; the function of each icon at this moment is described as follows:

Key	Functions	Key	Functions
	Previous;		Next;
	Play;		Pause;
	Rewind;		Fast forward;
	Zoom in / Volume +		Back to thumbnail / Zoom out / Volume -
	Rotate photos;		Auto play of photos;
	Move picture up/down/left/right;		Back to the state before zooming in

2. Delete Files

Press " " in the playback interface > Press " ";
: Delete single
: Delete all

3. Auto play of photos

Press " " in the playback interface > Press " " > Press " ON " > Gently touch the screen when viewing photos > Press " " to enter the auto play mode;
Gently touch the screen during auto play of photos > Press " " to pause > Press " " to go back to the playback interface;

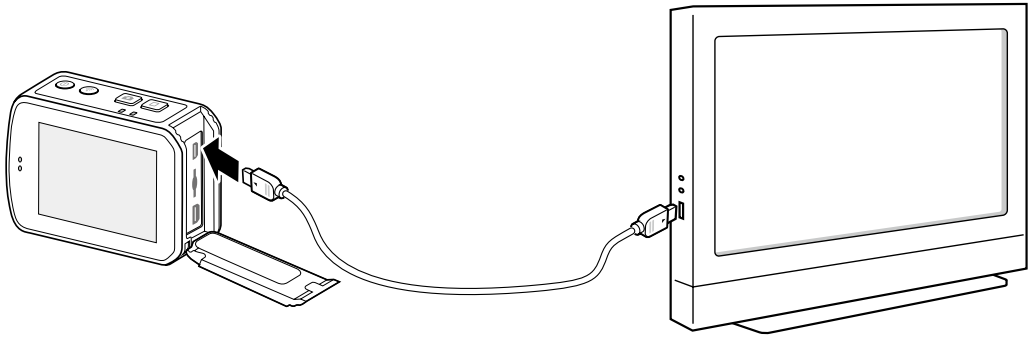
4. File Protection and Unlocking

Press " " in the playback interface > Press " ";
: Protect single
: Unlock single
: Protect all
: Unlock all

The protected files cannot be deleted. However, such files can be deleted by formatting.

5. View Video/Photo On HDTV

The recorded files can also be played on TV or display with HDMI interface.
Ensure that your camera is properly configured to NTSC (North America) or PAL (Non-North America) video format; otherwise, the video and images on Video camera cannot be properly displayed on TV. Use HDMI cable to connect Video camera to the TV set:



❗ This function is not available when opening Wi-Fi.

6. Upload Audio/Video/Photo Files to PC

a. Use USB data cable to connect the camera to a PC;
b. Switch on Video camera;
c. Click the "My Computer" icon on the desktop and find the "Removable Disc". If the camera is not detected, close "My Computer" window and reopen it after a while. The "removable disc" will be displayed;
d. Double click the "removable disc" icon;
e. Enter the "removable disc" and copy/move the file to the PC's hard disk.

❗ You can not record image or video files on the micro TF card inserted in the camera, from a PC (via USB cable).
❗ You can not delete image files or videos stored in the micro TF card, from the PC (via USB cable). You can only do it on the camera.
❗ You can not put a file from your PC to the micro TF card inserted in the camera (via USB cable).

Wi-Fi

After the Wi-Fi is enabled on the camera, you can connect a remote control or a mobile device with Wi-Fi function to the camera, so as to control the camera remotely.

First of all, please install the app " AEE MagiCam " provided by AEE on your mobile device. You can find and download "AEE App" from "Google Play" or "Apple Store", and then install it on your device.

Enable and Connect Wi-Fi

a. Prees the Wi-Fi key to switch on Wi-Fi function. The blue Wi-Fi indicator will blink slowly, and the " " icon will appear on the lattice LCD screen.
b. Run the App you have installed, enter the Wi-Fi control interface and click "Connect Wi-Fi" to enter the WLAN interface.
c. Find the Wi-Fi signal source named "AEE Magicam" and click "Connect" (default password: AEE12345).
d. After successful connection, the system will return to the control interface.

In case of concurrent operations on the camera and the Wi-Fi device, the operation on the camera will be given higher priority.

Specifications

Description	Specifications
Visual angle	140°
Aperture	f/2.8
Digital zoom ratio	4X
Video recording format	MP4
Audio recording format	WAV
Photo format	JPG (JPEG)
WIFI-Distance/Mobil Device	100 Meter (max.)
Storage medium	Up to 64GB external TF card
Standard battery capacity	1800mAh
Recharging duration	USB Cable: About 4.0 hours
Maximum video recording time	About 4.0 hours (Max.)
Maximum audio recording time	About 5.0 hours (Max.)
Operating platform requirements	Operating system: Windows XP SP2 / Vista or above / Mac OS;
Storage temperature	-20°C ~ 60°C
Operating temperature	-10°C ~ 50°C
Dimension	L72 × W48 × H35mm
Unit weight	131g

As our products undergo continuous development, the specifications are subject to change without prior notice.

Tips

1. When the unit is in used for long period, it is natural that its surface temperature will rise.
2. If you will not use the unit for long period, it is suggested that you charge it once every 6th month to maintain the performance of battery.
3. Use of digital zooming function during shooting will have slight impact on the image quality.
4. The visual angles under different modes will be slightly different.
5. To smoothly play a high-definition video file, it is suggested to use a PC or other professional device.
6. If you enable cyclic recording function for long period or frequently shoot/delete photos, the memory card may have data fragments so that you may not be able to store or shoot photos. Please back up the data to external storage medium and perform formatting operation to the memory card.
7. When the camera works in a high-temperature environment, the lattice screen may become black, which is a normal phenomenon and will not affect its function.
8. When the camera is used for a long time, the temperature of the metal parts near the lens may rise, which is a normal phenomenon; please do not touch the heated metal parts.
9. Hot plugging is not supported; in case of white screen, please restart the camera to return to normal.

Notice

When using the Video camera, pay attention to the following notice information:

1. During continuous use, the body temperature of the Video camera increases. This situation is normal.
2. If the Video camera is not used for a long time, remove and maintain the battery properly, and recharge the battery every six months to ensure the battery performance.
3. During recording, enabling the digital zooming function may affect the image quality.
4. Shooting view angles are slightly different in different working modes of the video camera.
5. If a video file is large, a computer or a special-purpose player is preferred for smooth play.

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