# User manual




ACE500

## 1. Function

Thank you for choosing this camera. Please carefully read the manual before using, and keep it at a safe place for future reference.

The compilation of the manual refers to the latest information. The manual quotes captured screen displays and graphics, with the aim to introduce the digital camera through detailed and direct methods. Due to the differences of technical R&D and production batch, those captured screen displays and graphics indicated in the manual may be different from that of the actual digital camera.

## 2. Precautions

TF high-speed card (multimedia memory card) Class 4 or higher is required for this camera. We recommend to always use original Class 10 cards to ensure the highest speed and quality during the date transmission.

**Instructions for using the memory card**

• In case of a newly purchased memory card that will be used for the first time, or data available on the memory card which is not recognized by the camera or images made by another camera, please ensure to first format the memory card. You can use the built-in format tool in the camera.

- Before inserting or removing the memory card, please first disconnect power supply of the camera;
- When the card has been used for a long period of time, performance of the memory card will be reduced. In case of reduced performance, you will need to purchase a new memory card;
- The memory card is a precise electronic device. Please don’t bend it and keep it away from falling or heavy load;
- Don’t keep the memory card in an environment with strong electromagnetic or magnetic field, for example near a speaker or receiver of a TV;
- Don’t use or keep the memory card in an environment with extreme high or low temperatures;
- Keep the memory card clean and away from contacting liquid. In case of contacting liquid, please dry it with a soft clean cloth;
- When the card will not be used for a long period of time, place it into the card sleeve;
- Please note that the memory card will get hot after long-term use, this is normal;
- Don’t use the memory card if it has been used on another digital camera. If you would like to use this card on this camera, please first format it with the camera;
- Don’t use the memory card if it has been formatted on another camera or card reader;

- The recorded date may be damaged, in case one of the following situations with regard to the memory card :
  - Improper use of the memory card;
  - Disconnection of the power supply or taking the memory card out during recording, deleting (formatting) or reading;
- You are recommended to backup important data on an
- other media like soft disk, hard disk, CD.

**Camera Maintenance**

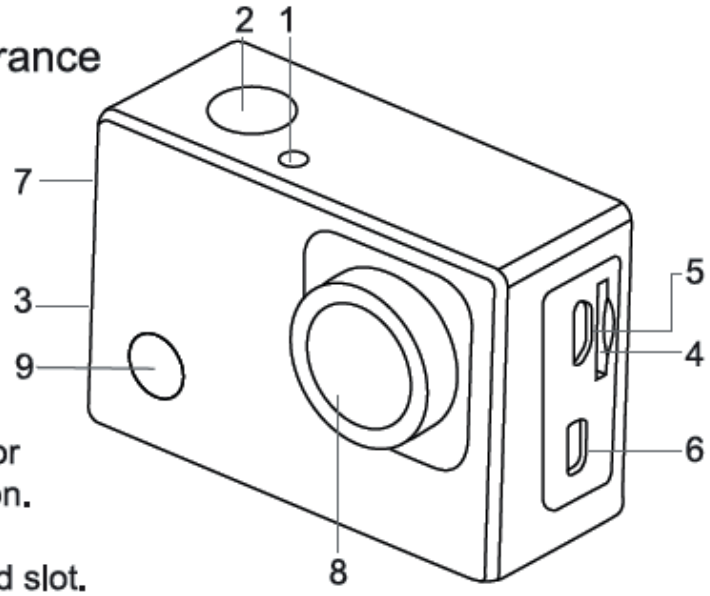
- Keep it in a dry and dark place when not in use;
- Use proper protective cover to avoid lens and display scratched;
- Keep the camera into a protection case to avoid scratches on the lens and screen;
- In case of cleaning the surface of camera lens, first blow the dust off the surface, use a cloth or paper available to optical equipment to wipe the lens gently. Use the professional camera cleanser to clean the lens. Do not use any organic solvent;
- Do not touch the lens surface with your fingers.

## 3. System requirements

When operating or using the digital camera, please take minimum system requirements for the computer of the camera into consideration. You are strongly recommended to use high quality computer equipment operating the camera for best results. The minimum system requirements are indicated below:

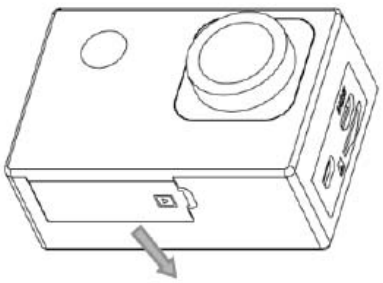
| **System Requirements** | | |
|---|---|---|
| Operating System | PCCAM | Microsoft Window XP(SP3), Vista,7,8 Mac OS X ver:10.8.0 or higher version |
| | MSDC | Microsoft Window 2000 ,XP, Vista,7,8 Mac OS X ver:10.0.0 or higher version |
| CPU | | Intel Pentium of more than 1GHz or other CPU with equivalent performance |
| Internal Memory | | Larger than 1GB |
| Sound card and Display card | | The sound card and video card shall support DirectX8 or higher version |
| CD Driver | | Speed of 4 times or faster |
| Hard Disk | | Free space of more than 2GB |
| Others | | One standard USB1.1 or USB2.0 port |

## 4 Appearance

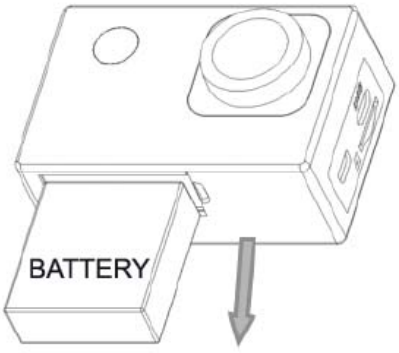



1. Light indicator
2. Shutter button.
3. Sound alert.
4. MicroSD card slot.
5. Micro USB port.
6. Micro HDMI port.
7. Up / down buttons.
8. Lens.
9. POWER / Mode

**5. Removing the battery from the camera**



1. Remove the battery door by placing your thumb.

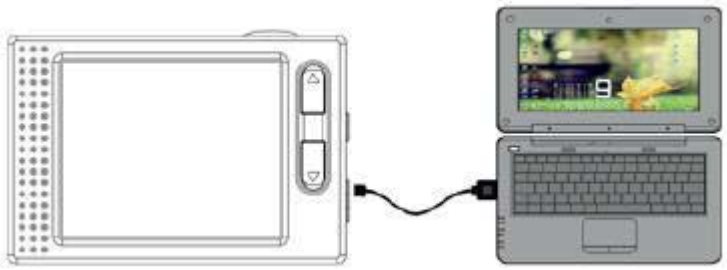



2. Allow the door to pop out. Grasp the battery pull-tab and remove from the camera.

**6 Start to use**

**1. Charge the built-in lithium battery**

The camera is equipped with built-in 3.7V lithium battery. Please ensure you have power available for the camera and charge it in time in case of a low battery.



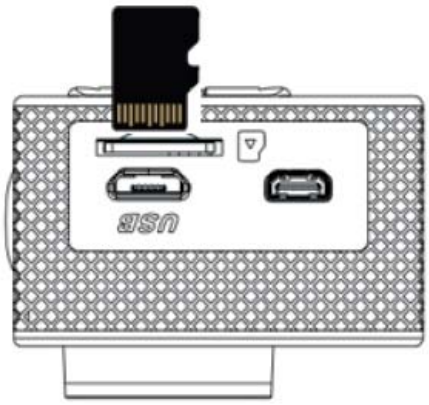
Connect the camera to computer for charging under shutdown status. The charging indicator will be on when charging, and will be off when the battery is fully charged. Generally, the battery can be fully charged after about 4 hours.

**Note: when the DV is on, it will not charge until the DV will be turned off.**

**2. How to use the memory card**

2.1. Properly insert the TF card into the card holder as per the instructions indicated near the card holder.

2.2. To remove the TF card, press the end of memory card gently, the card will be ejected.



***Note: The camera is not equipped with built-in memory. Please insert memory card before using. Before using the camera, it is a must to format the memory card on the camera.***

**3. Turning the camera on and off**

3.1 Turning on: press the POWER key for 3 second, the camera will show startup screen and enter into POWER ON state;

3.2 Turning off: press the POWER key for 3 second when the camera is under idle mode to turn off;

3.3 Auto turn off: the camera will be turned off automatically when the camera is under idle mode for a certain time to save power. The default time for auto turn off is 3 min.

3.4 Turning off under low power: when the battery is under low power, the LCD will indicate "". Please charge the battery timely. When the screen display "low battery", the camera will be turned off automatically.

**4. Function modes switching**

The camera has 4 modes: recording mode, photo mode, movement mode and playback mode. Press the Mode key to switch the modes after turning the camera on.

• Recording mode: video can be recorded;
• Photo mode: for taking photos;
• Movement mode: Special for videos in movement;
• Playback mode: for playing back the current video/photo from the SD Card.

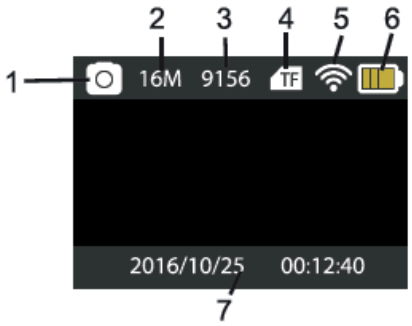
## 5. Indicators

5.1 BUSY indicator: when the camera is working (e.g. recording, photographing, etc.), the indicator will light;
5.2 Charging indicator: in shutdown state, the lightened indicator means that the camera is being charged.

## 6. Photo/recording/vehicle-mounted/mode

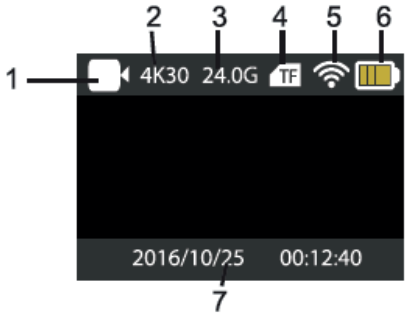
It enters automatically into recording mode.
Press shutter to start recording, and press shutter again to stop recording.
Press mode key to photo mode.
Press mode key to movement mode.
Press shutter to start recording, and press shutter again to stop recording.

### 6.1 Screen display in photo mode




1. Photo Mode.
2. Resolution.
3. Photos available.
4. Micro SD card
5. WIFI
6. Battery.
7. Date and time.

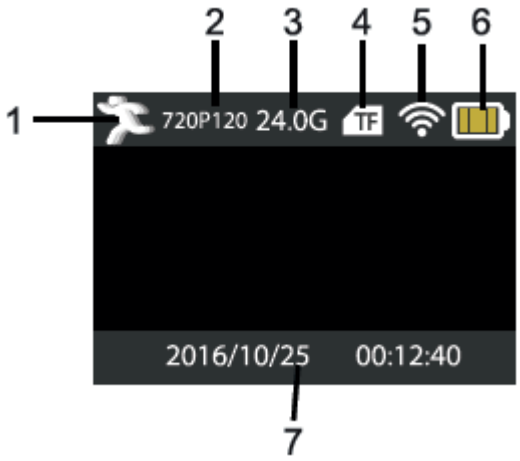
### 6.2 Screen display in recording mode




1. Recording mode.
2. Resolution and fps.
3. Storage available.
4. Micro SD card.
5. WIFI.
6. Battery
7. Date and time.

**Note: when using the 4k, FHD size or HD vide, you must use the TF high-speed card at class 4 or above. We recommend to always use class 10 cards**

### 6.3 Screen display in movement mode



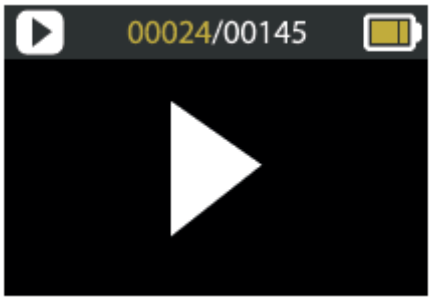

1. **movement mode**
2. **resolution and fps.**
3. **Storage available.**
4. **Micro SD card.**
5. **WIFI.**
6. **Battery.**
7. **Date and time.**

### 7.Playback mode

Turn on the camera, you can press the mode key to enter playback mode. You can press the up/down key to choose the photo or video you want to play, then press the shutter key to enter preview.

Press mode key to enter playback mode to browse photo/video, play the video recorded by this camera.

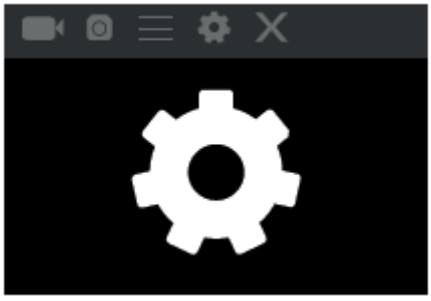
Play movie: press the shutter key to start/pause play video, press the Up/Down key to restart quickly/ fast forward playback, press the power key to stop play video.



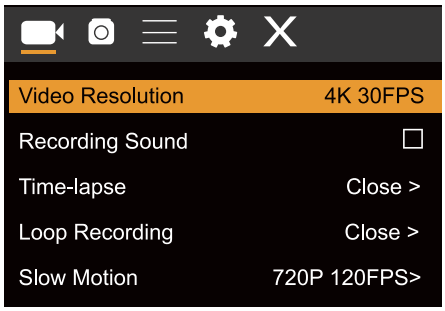

### 8.Menu setting mode

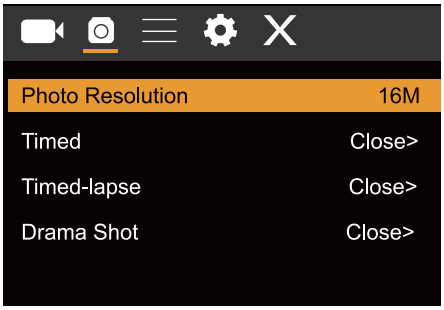
8.1 menu display

Press mode key until you enter the options display. Here you can select the different options to configure your recording or photo.



**Recording and photo menu:**

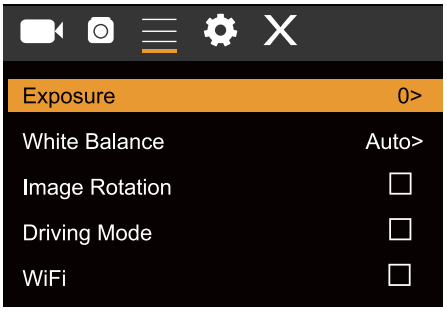



**8.2 System Configuration menu**

After opening the menu by pressing power key, press mode key to switch over to setting main menu. Press up/down key to select menu, and after that to press shutter key to confirm entering the submenu. In the submenu, press up or down key to select menu, and press shutter to confirm. After returning to the main menu, go to the "X" icon to return to main menu.

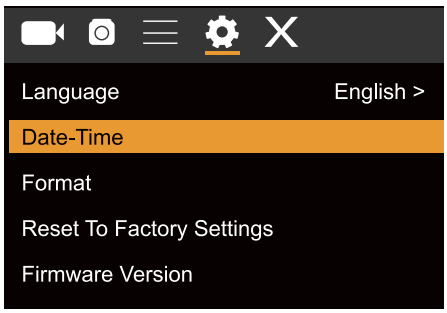
**System menu mode:**

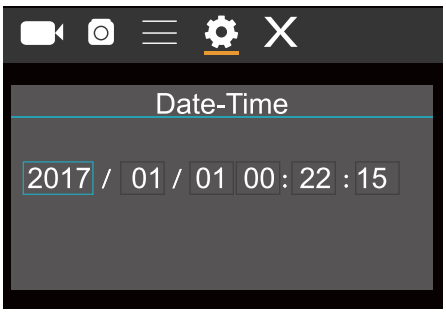



**8.3 setting date and time**

Press mode key to open the menu, press mode key again until you arrive to the icon and press shutter to enter. Press up/down key to select "date and time" and then press shutter to enter.

In setting window, press mode key to select the items (date/time) to be adjusted, and then press up key or down key to make adjustment, press the shutter key to confirm or press power key to cancel setting and exit. Finally, press power key to exit from setting mode

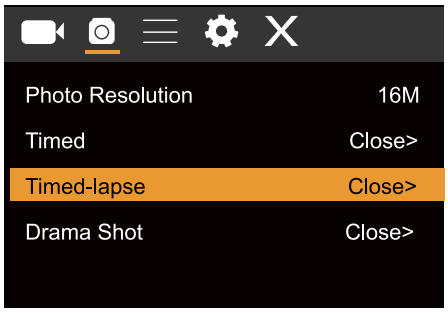


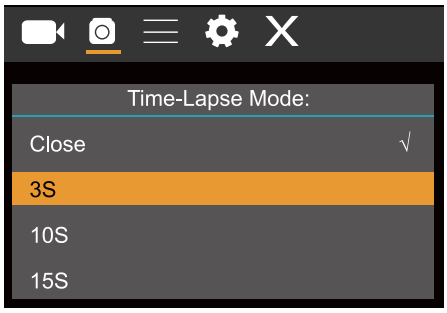




**8.4 Time-lapse mode settings**

To configure the camera into time-lapse mode, enter in setting menu and then select photo settings. Enter in time-lapse submenu and adjust the shutting time for each photo. Keep in mind that in PAL-DV mode, to get 1 second in video you will need to take 24 photos; and in HD mode 30 photos.

To configure photo′ s resolution, return to previous mode (photo) and enter in resolution′ s submenu. To start taking pictures, enter in photo mode, put the camera in position and press shutter key. Please, notice that to get a good time-lapse you shouldn′ t move the camera



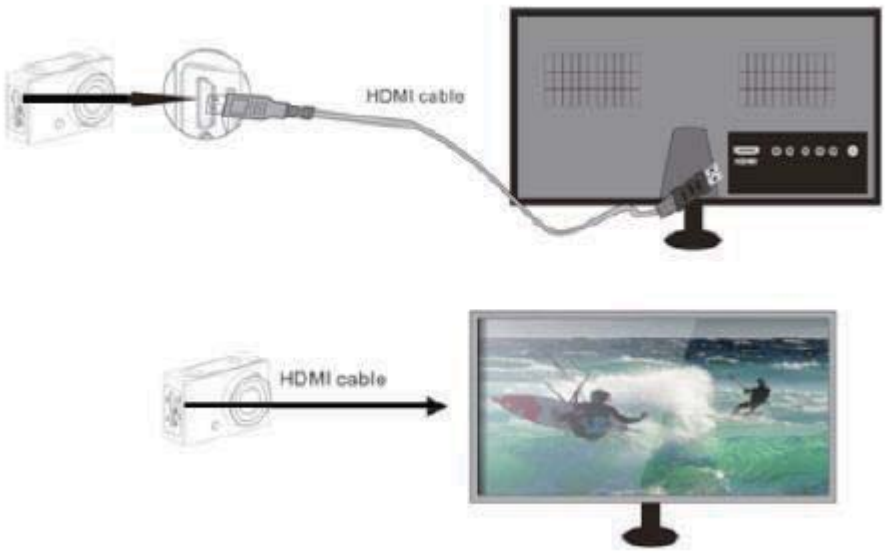




Once you will get all pictures, import them in your video editor software as "frame sequence". Depending on the software that you will use, you should import the pictures in a special way; please, check your software′ s manual to know how to do it. Maybe you′ ll have to rename the photo files to allow your software identify them correctly.

**9.Connecting to HDTV**

**9.1 Connect the DV to HDTV via HDMI cable (optional)**

If you need to transfer the image and audio to an HDTV for playback, insert the com end of the HDMI cable to the DV, and the other end (output) to the HD input of the HDTV, as shown in the following figure:




When the camera is connected with the HDTV successfully, the camera display will be

synchronizing with HDTV display.
**Note: before connecting or removing the HDMI cable, please stop video recording and disconnect WI-FI first.**

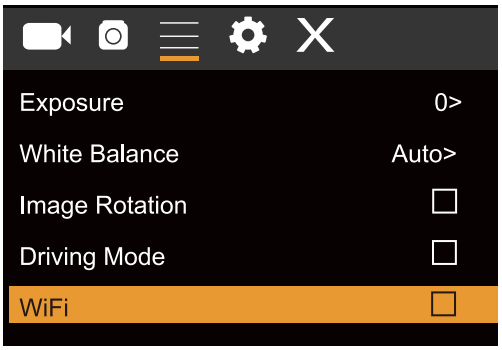
**10. Connect to PC**
10.1 When the camera is connected with the computer and entering removable disk mode, there will be a removable disk added in the window of "my computer". The photo or video file may be stored in the catalogue of "DCIM\CAR, JPG, VIDEO" in the removable disk. You may enter this catalogue to copy files on to hard disk of your computer.

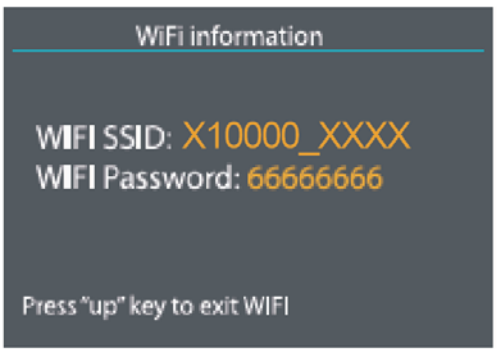
**Note: during file downloading, DO NOT disconnect USB connection, and DO NOT remove the memory card when there is a USB connection to avoid loss of data.**

10.2 in U-disk mode (MSDC mode), press the shutter key to switch to web cam mode (PCCAM) the LCD will display: PCCAM.
Now you can start the web cam through application. To return to U-disk mode (MSDC mode), press the power key again.
**Note: Driver is not required for web cam mode (PCCAM mode) on Windows XP(SP3) version or higher.**

**11.APP (Support Android and ISO)**
**11.1. How to install an APP**
1. Search for "XDV" in Google play (for Android OS) to find the APP and install it according to the instructions.
2. Search for "XDV" in APP Store (for IOS) to find the APP and install it according to the instructions.

11.2. Android APP
1. Install "XDV" APP (provided by dealer or via internet) on smartphone or tablet. When installation is completed, the LCD will display icon: .
2. Insert the TF card and turn on the DV. Enter in menu and turn on WIFI:



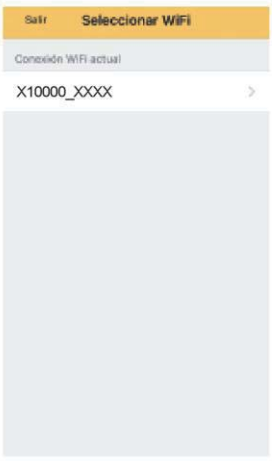



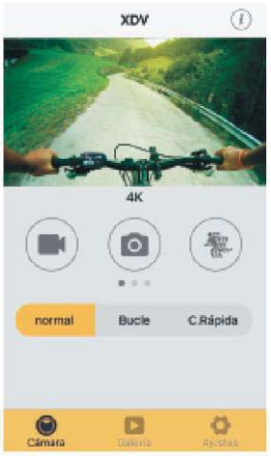

3. Enable WI-FI on smartphone or tablet and search for wireless AP signal "X10000_XXXX", then connect it to DV, until the system displays "Connected

successfully”.

**Note: the first time connecting to DV, you need to enter password “66666666”.**




4. Click the icon  in the App list of the smartphone or tablet to open it. Now you can preview the image sent by the DV on the phone or tablet and start operating. The operation interface on terminal is shown in above-right position figure.







This app shows in the main display 3 options: video, photo and movement. In the bottom side you can see other 3 options: main display, gallery and options

In “options mode” you will be able to configure the camera presets before recording. As in right position image.

**Note: This software XDV has been developed by a third party, so that we are neither responsible for the operating, nor for the compatibility with all other devices. Also are we not responsible for any updates.**

**11.3. IOS APP**

1. Install “ XDV” APP ( provided by dealer or via internet) on iOS phone or tablet. When installation is completed, the LCD will display icon .

2.Enable Wi-Fi on iOS phone or tablet and search for wireless AP signal “X10000_XXXX”, then connect it to DV, until the system displays “Connected successfully”.

3.Click the icon  in the APP list of the iOS phone or tablet to open it. Now you can preview the image sent by the DV on the phone or tablet and start operating.

**7. Technical parameters**

| | |
|---|---|
| Image sensor | SONY 179 |
| Function mode | Recording, movement, photo, playback |
| LCD screen | 2.0’’ LCD Screen |
| Picture resolution | 16M(4608*3456) 12M(4000*3000), 8M(3264*2448). 5M(2560*1920), 2M(1600*1200) |
| Video resolution | 4K(3840*2160 30fps), 2.7K(30fps), FHD(1920*1080 30fps), FHD(1920*1080 60fps) HD(1280*720 30fps) HD(1280*720 30fps) HD(1280*720 60fps) HD(1280*720 120fps) |
| Storage medium | TF Card (Maximum supporting 64GB) |
| File format | JPEG H.264(MOV) |
| Recording time | Maximum 29 minutes-video |
| USB Port | USB2.0 |
| Power supply | Built- in3.7V rechargeable lithium battery |
| Menu language | English/ Spanish |
| Power save | 1min/3min/5min/OFF |
| Operation system requirements | Windows XP/ Vista/7/8,Mac 10.8 |
| Dimensions | 61*41*30mm |