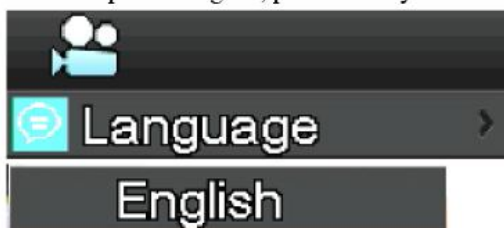1. Unscrew the lens cover and install the lens. ⚠Note: tear off the dust guard film in front of the photosensitive sheet!!!

2. Plug in the HDMI line and DC power supply respectively, and the LED light shows orange at this time, indicating that the camera has been turned on;

3. If you connect it to your computer, just plug in the USB line and connect to the computer;

II. Language choice (take Chinese as an example)

1. Press the MENU key to enter the main menu, and then press the DOWN key, the language option is highlighted. Then press OK key to enter the language settings, use the DOWN key to select simplified English, press OK key to return to the main menu.

III. Line setting

1. Under the main menu, select the line setting and press OK key to enter the line setting menu.

2. You can use the DOWN key and UP key to select options that need to be set.

Cross Hair   OFF
Line   1
Direction   OFF
Position   50
Color   Red
Thickness   1

3. In the highlighted state of the cross line, press OK key to turn on and off the central cross line.

Cross Hair   ON
Line   1
Direction   OFF
Position   50
Color   Red
Thickness   1

4. In the highlighted state of line, press OK key or MODEL key to select 1-8 number of line.

Cross Hair	ON
Line	**2**
Direction	OFF
Position	100
Color	Red
Thickness	1

5. In the highlighted state of line direction, press OK key or MODEL key, you can choose line direction to be horizontal, vertical or close line.

Cross Hair	ON
Line	2
Direction	**V**
Position	100
Color	Red
Thickness	1

6. In the highlighted state of line position, press OK key or MODEL key to move the line, and fast move the line with long press.

7. In the highlighted state of line color, press OK key or MODEL key, the color of the line can be changed, there are five colors: red, white, green, black and blue.

8. In the highlighted state of line thickness, press OK key or MODEL key, you can change the line thickness, a total of 4 kinds of thickness can be selected.

Cross Hair ON
Line 2
Direction V
Position 100
Color White
Thickness 2

II. Exposure setting

1. Quick turn off automatic exposure, long press the "MODEL/AE" key to turn on and off automatic exposure.

AE OFF AE ON

2. Press MENU to open the main menu, press the DOWN key to move to the exposure option, and then press OK key to enter the exposure settings. You can adjust the exposure on/ off and exposure values through the menu.

Enter the exposure menu as shown below. Use the UP key and DOWN key to select the automatic option highlighting. Use OK key and MODEL key to select automatic exposure open or automatic exposure close.

Select One push, and then press the OK key, the camera will be a key exposure, after a key exposure, automatic exposure will be closed

Line Set	Auto OFF	Auto ON
Exposure	One push	One push
AWB	EV 0.0	EV 0.0

3. Enter the exposure menu as shown below, select the exposure value by using UP key and DOWN key. Use OK key and MODEL key to adjust the corresponding value. Note that the exposure value is allowed to be adjusted under the off state of automatic exposure.

III. White balance setting

1. Press MENU to open the main menu, press the DOWN key to move to the white balance option, and then press the OK confirmation key to enter the white balance menu. Use OK key and the MODEL key to select the automatic white balance open or automatic white balance close.

2. Enter the white balance settings menu as shown below. After closing the automatic white balance, you can adjust red, green and blue values. Select items that need to be adjusted by using the UP key and the DOWN key. Use the OK confirmation key to the add the value, and use MODEL key to decrease the value.

Select One push, and then press the OK key, the camera will be one button white balance, a key exposure after the completion of automatic white balance will be closed.

IV. Color Setting

1. Press MENU to open the main menu, press the DOWN key to move to color options, then press OK key to enter the color menu. Use the UP key and DOWN key to select the color mode or black-and-white mode. Press OK key to confirm and exit, press MENU to give up operation and return to the main menu.
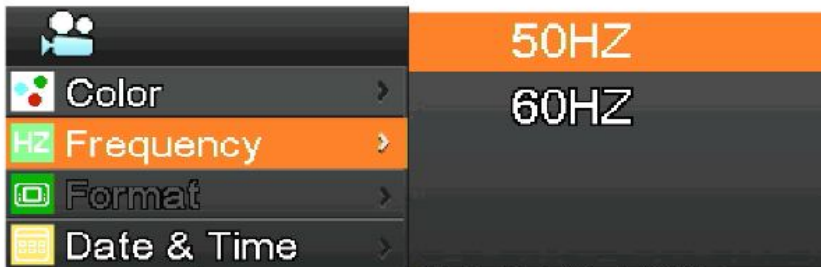

V. Light frequency setting

1. Press MENU to open the main menu, press the DOWN key to move to the light frequency option, and then press OK key to enter the light frequency menu. Use UP key and DOWN key to

select 50Hz or 60Hz, press OK to confirm enter and exit, press MENU to give up operation and return to the main menu.
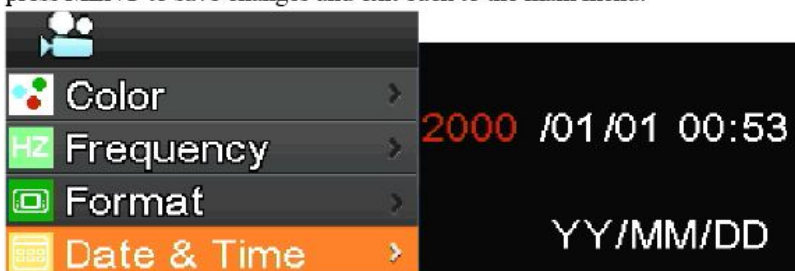
VI. Format the contents of TF card

1. Press MENU to open the main menu, press the DOWN key to move to the formatting option, then press OK key to enter the format menu. Choose cancel or confirm by using UP key or DOWN key. Select cancel and press OK key to give up the operation and return to main menu. Select confirm and press OK key,the camera will format TF card. Note: the original file content in the TF card will be removed after the formatting operation, please confirm the content of TF card has been backed up before this operation!

VII. Date and time setting

1. Press MENU to open the main menu, press DOWN key to move the date and time option, then press OK key to enter the date and time menu. Press OK key to switch and select the items that need to be adjusted (such as the date). When the item need to be adjusted is red, press UP key and DOWN key, the red one indicates that you can adjust the value of selected item. After adjustment, press MENU to save changes and exit back to the main menu.

VIII. Video size setting (size of video in recording)

1. Press MENU to open the main menu, press DOWN key to move to the video size option, and then press OK key to enter the video size menu. Select required size by using UP key and DOWN key, press OK key to save and exit back to the main menu.
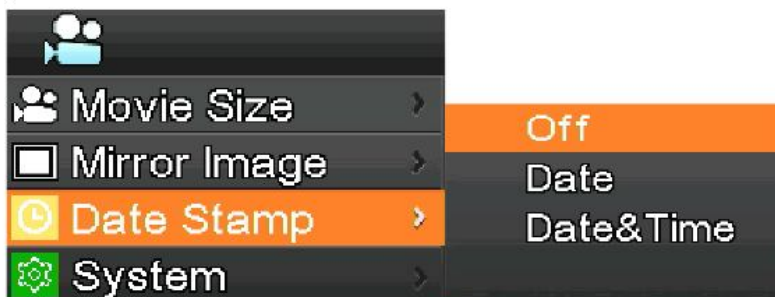
IX. Mirror image setting

1. Press MENU to open the main menu, press DOWN key to move to the mirror image option. Then press OK key to enter the mirror image menu, use UP key and DOWN key to select the horizontal or vertical mirror settings. Press OK key to select open or close, press MENU to save and exit.

X. Datemark setting

1. Press MENU to open the main menu, press DOWN key to move to the datemark option. Then press OK key to enter the datemark menu, use UP key and DOWN key to select close, date or date and time, press OK key to confirm and exit. If you select close, the photo taken will not show the time of taking pictures. If you select date, the photo taken will show the date watermark of taking picture. If you select the date and time, the photo will show the date and time watermark of taking picture.

XI. System setting

1. Press MENU to open the main menu, press DOWN key to move to the system option. Then press OK key to enter the system menu, use UP key and DOWN key to select factory reset, system information and SD card information.

2. When selecting the factory reset, and then press OK key, at this time it will remind the user whether to restore the factory settings. Use UP key and DOWN key to select Yes or No, press OK key to confirm.

3. When you select system information, press OK key again, the current version of the software is displayed. Press OK to return, press MENU to return to the main menu.

4. When selecting SD card information, press OK key again, it will show the current SD card information. Press OK to return, press MENU to return to the main menu.

XII. Freeze / unfreeze

Short press ON/OFF key, the image will freeze. And in the lower left corner of the image, it displays a freeze flag (as shown below), then press once to unfreeze, the freeze flag will disappear.

XIII. Power on/off

1. In the boot state, long press ON/OFF to turn off.

2. In shutdown state, short press ON/OFF to turn on.

XIV. Electronic amplification and reduction

1. Press UP key, the image will be enlarged electronically. And on the left of the image, it displays the multiple of electronic amplification, which maximum supports 5 times of electronic magnification.

2. After the electronic magnification, press DOWN key, the image will be reduced electronically. On the left side of the image, it displays the current electronic magnification multiple until the original size of the image is restored.

XV. Switch camera / video mode

1. The system defaults to camera mode, at this moment, press the OK key to take pictures.

2. Press MODEL key to switch to video mode, at this moment, press OK key to start videoing, and then press OK key again to stop videoing.