



Auto Video Recorder Monitor

User Manual

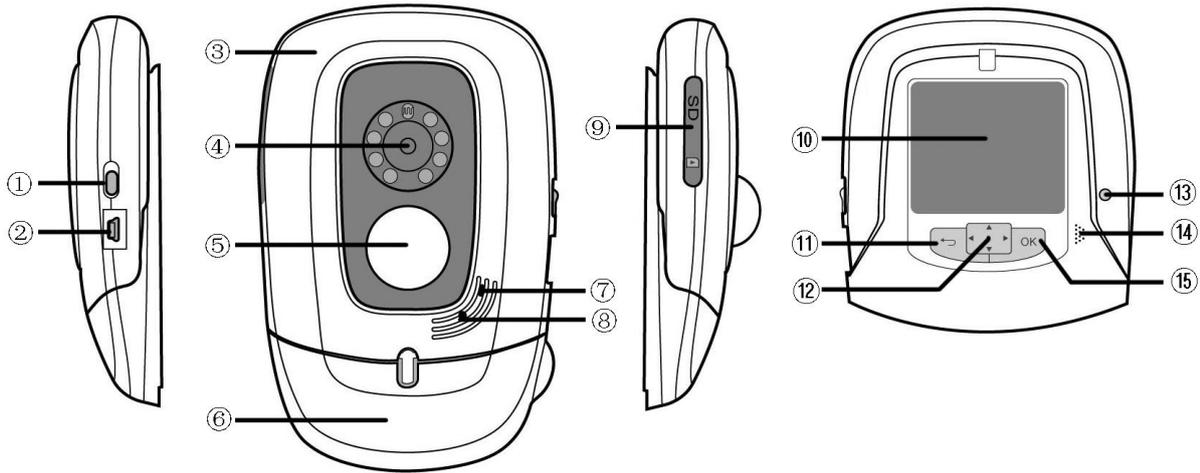


1. Start Up

Get to know your iW90 Auto Video Record Camera and integrated LCD monitor insert the SD Memory Card and learn some important information about the iW90.

2. Key and Parts

The iW90 consist of an integrated video camera and LCD Monitor, remote controls, power charger and USB lead.



1. Power switch

2. Power Interface (Mini USB)

3. Camera body

4. Camera

5. Infrared body detector

6. Base board

7. Microphone

8. Front LED Indicator

9. SD card slot(rubber cover)

10. LCD screen

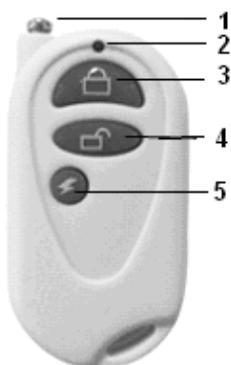
11. Back/Return key

12. Directional key

13. Back Indicator

14. Loudspeaker

15. OK/Enter key



1. Antenna

2. Remote LED control indicator

3. Arm key

4. Disarm key

5. Remote control video key

3. Terms Explained

Arm/Auto video

Arm will set the camera in the arm state which means the camera will automatically

start to record video and voice if the infrared sensor is activated.

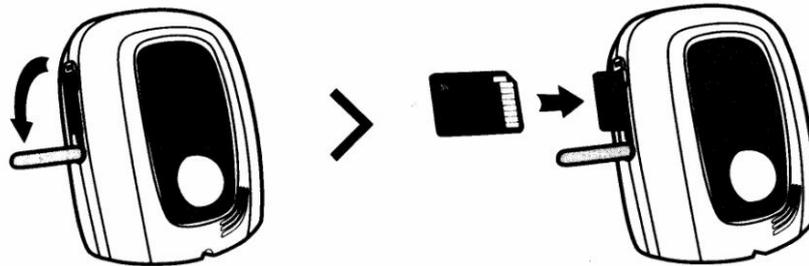
Disarm

Disarm will set the camera in the disarmed start and deactivate the infrared sensor.

The camera will not record in the disarmed state.

4. Install the SD Memory Card

To install the SD Memory card, first open the cover to the SD Card slot by gentle pulling back the cover on the left side of the iW90. You will now be able to see the SD Memory Card slot in the side of the unit. Slide in your SD Memory Card ensuring the circuit connector contact is facing upwards and visible. You will hear a click, indicating that the card is installed correctly.



To unload the SD Memory Card, gentle push in the card allowing it to release and pop out.

5. Turning on the iW90

To turn on the iW90, simply move the Power Switch on the side of the camera to the “ON” position. The front indicator will turn green showing the camera is on.

Press back  key on the LCD screen to initiate the video to work in preview mode. In preview mode you are able see real time video on the LCD monitor which may help position the iW90 to provide the coverage you need.

6. Recording

No matter which video mode you choose, the video record time is fixed to the chosen setting. You can change the video record time through the “System Setting feature.

For example, if you set the video time to 60 seconds, the camera will save video file every 60 seconds. The video file is stored in folders and named according to the day and orderings on when the videos were recorded. When the SD Memory card is full, the iW90 will automatically overwrite the oldest file.

Step 1. Taking video using the remote control

In order to use the remote control for the first time you need to bind the remote control to the iW90.

Turn on the camera and press back  key on the LCD screen to initiate the video to work in preview mode. Press  key and scroll down using  the direction key until System setting is highlighted, then press  key. Then scroll down using  the direction key until Remote control is highlighted, then press  key. Press  key again to select Binding and once again to initiate the binding process.

Within 15 seconds of selecting the binding process, press any key on the remote control to bind the 2 together.

The LCD screen will show “succeed **to bind**” after the camera receives the Remote Control signals. If the camera failed to receive the Remote Control signals due to overtime operation or any other reasons, the LCD will display “**Remote control failed to bind**”.

Step 2. Taking videos automatically

Pressing the “Arm” key on the Remote Control will set the iW90 to its armed states. If the infrared sensor detects body signal, the camera start recording video and voice. The iW90 infrared sensor activation response time will vary between 2 and 5 seconds depending on if the camera is externally powered or if powered by its internal battery.

Step 3. Taking videos manually

Press back key  on the LCD screen, and then press directional key  right hand side  key. The camera will begin videoing and you will see “●REC” flashing in the top left hand side on the LCD screen. The elapsed video time will be displayed in the top right hand side of the LCD screen. In order to stop video recording simply press the back  key.

7. Checking your Video

To view and playback your video press the back key  on the LCD screen, then press the directional key  right-side  arrow. You will now be able to see your entire video folder and from here have the option play or delete.

First of all, you can see all your folders. Each folder is named using an 8 digit sequence. The first six numbers provide a calendar date and the last two numbers is video sequence order number. Naming rules are as following:



For example, a folder named “10010400” stands for the first batch of video for 4th Jan. 2010. If there are more than 500 video files in total on the same day, the folder name “10010400” represents the second batch of video and so on. When you select the folder, all the video thumbnail pictures in this file will be shown together with their date time stamps.

To select the video file, press the  key and the video thumbnail picture will be enlarged, then:

Step 1. Play the video

Press right  key to play the video file and press the  key to stop playing.

Step 2. Control the video volume

To change the volume simply use the keys “▲” and “▼”. Use “▲” key to increase the volume “▼” key to decrease the volume. During the adjustment the volume indicator on the bottom right hand side of the LCD screen will indicate level selected.

Step 3. Managing files

Press the  key to bring up the replay menu:



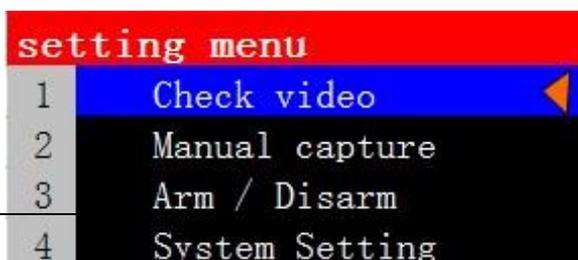
1. **Previous file** - allows you to play the previous video.
2. **Next file** - allow you to play the next video.
3. **File deleting** - will allow you to delete the video file.

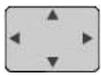
To delete a file, press the directional key  down ▼ arrow until File deleting is highlighted, and then press the  key. Press the  key to delete the file. If you choose Cancel, you will return to the Replay menu.



8. Setting iW90 Parameters

In order to change any the iW90 camera parameters you need to enter the settings menu. On the LCD screen, Press the back key  on the LCD screen, then press  key, to enter menu options.



Use the directional key  to select the menu option you need. The right  key stands for next level menu, the left  key represents back to previous level menu.

The top  and bottom  key means moving up and down. The back  represents withdrawing from the menu.

8.1. Check Video

Scroll down to Check video, the select  key to enter this sub menu. See section 7 for more details.

8.2. Manual Capture

Scroll down to Manual capture, then select  key to enter this sub menu. See section 6 for more details.

8.3. Arm / Disarm

Scroll down to Arm / Disarm, then select  key to enter this sub menu.

To manually arm the camera, so it will automatically start to record video and voice when the infrared sensor is activated, scroll down to the Arm option and select  key. The “√” mark will now be positioned against Arm, indicating Arm status is currently activated. The picture shows the camera is in the “Disarm” state,



Note. With the LCD screen switched off, you are able to Arm /Disarm the camera using the Remote Control.

8.4. System Setting

On opening the System setting menu you are presented with 7 sub menu options, as shown in the picture below. Each sub menu option is described below:



8.4.1 System Time

System time is the iW90 internal clock which it uses to name the video files and provide a simple way to identify which video file you want to check. To set the iW90 internal clock scroll down to System Time then select the  key to enter this sub menu. The System Time sub menu options are as follow:



1. **ON** - The recording date and time will be shown on video files.
2. **OFF** - The recording date and time will not be shown on video files.
3. **Set Date** - Select this option to set the iW90 internal clock.

Scroll down to Set date, then select the  key to change the internal clock and date

2010/07/25
14:45:35
YY/MM/DD

Use the directional key  up and down ▲ ▼ keys to change these parameters. Use left & right ◀ ▶ keys to select next parameters. Select  key to save and close.

8.4.2 Video setting

Video setting allows you to set the video record time, frame rate and video resolution. Scroll down to the Video setting then select  key to enter this sub menu. The Video setting sub menu options are as follow:

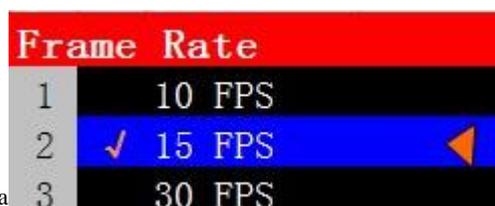


1. Video Time Setting



Video time determines the length of the video record time. To select, simply scroll down using the directional key  up and down ▲ ▼ keys to the value your need, then select  key. The video record time set is shown by the “✓” mark. **Note: the default video recording time is 30 seconds.**

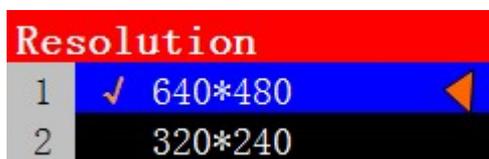
2. Frame Rate Setting



Frame rate is the number of frames recorded per second (FPS) and this sub menu offers three options 10, 15 and 30 FPS. The larger the FPS number the smoother the video is, but the larger FPS requires more memory.

To select, simply scroll down using the directional key  up and down  keys to the value you need, then select  key. The FPS selected is shown by the “√” mark. **Note: the default FPS is 15 FPS.**

3. Resolution Setting



Resolution is the number of megapixels recorded and reflects the quality of the video images. This sub menu offer 2 options VGA640*480 and QVGA 320*240. In resolution terms VGA is the better than QVGA, but VGA requires more memory

To select resolution, simply scroll down using the directional key  up and down  keys to the value you need, then select  key. The resolution selected is shown by the “√” mark. **Note: the default Resolution VGA 640*480.**

8.4.3 Remote Control

For the Remote Control to work with the iW90, it first needs to be paired or bind. To bind the remote controls to the iW90 scroll down to Remote control and

select  key to enter this sub menu, and then scroll down using the

directional key  down ▲ ▼ keys to a line showing Unbinding and then

select the  key. You will now have 2 options:



1. **Binding** - This sets up the binding mode – wait for Remote Control signal.
2. **Delete** – This deletes a bonded Remote

Note: the iW90 can be bound with up to 5 remote.

To bind your Remote control, scroll down to Binding and then select the  key. Now press any key on your Remote Control, noting that binding mode only remains active for 15 seconds. Your Remote Control red LED indicator will light.

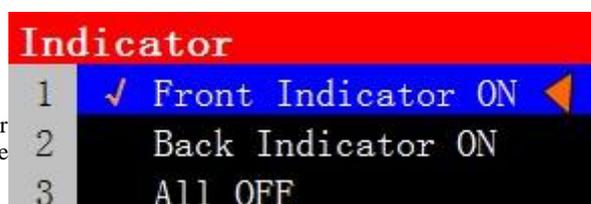
If binding is successful, the LCD screen will show “succeed to bind”. If the camera failed to receive the Remote Control signals due to overtime operation or any other reasons, the LCD will display “Remote control failed to bind”.

To delete a bounded Remote Control simply scroll down to Delete select  key.

8.4.4 Indicator setting

Indicator setting allows you to choice how you want the iW90 to indicate status.

To set the iW90 Indicator scroll down to Indicator and then select  key to enter this sub menu. The Indicator sub menu options are as follow:



The iW90 status indicators are listed below:

Indicator status:

Disarm – Green LED slow flash

Arm – Green LED constant

Vided Recording – Red LED slow flash

1. **Front Indicator On** – Status indicator on front of iW90 will show status.
2. **Back Indicator On** - Status indicator on rear of iW90 will show status.
3. **All OFF** – No status indicator will be shown.

To select indicator, simply scrolled down using the directional key  up and down ▲ ▼ keys to the Indicator status your need, then select  key. The status selected is shown by the “√” mark

8.4.5 Language

At this time the iW90 only supports English or Chinese and we recommend that you do not change the setting.

8.4.6 Formatting

Formatting allows you to erase everything that has been saved to the SD Memory Card. To format the iW90 scroll down to Formatting and then select

 key to enter this sub menu. The Indicator sub menu options are as follow:



To format your SD Memory Card and erase all information stored simply highlight OK and then select  key.

8.4.7 Reset the camera

Using the reset function allows you to return all iW90System settings to their original values.

To reset the iW90 scroll down to Reset and then select  key to enter this sub menu. The Indicator sub menu options are as follow:



To reset your camera and return settings to original values simply highlight OK and then select  key.

We recommend you do not apply Reset

9. Connect camera to your PC

In order to view Video files on your PC, you will need to connect the iW90 to your PC using the USB cable.

To view video files on your PC follow the steps below:

Note: Make sure your USB cable is not connected at this time

Step 1. Power on the camera.

Step 2. Select the back  key to start the LCD screen.

Step 3. Connect the USB cable between camera and your PC to open up the following menu option:



If you select “OK” option within 5 seconds, the camera will be recognized by your PC as a removable disk and will suggest a software application on your PC to be used to view your video files.

Note: Once you have finished viewing your video files on your PC you will need to remove the USB cable and power off and on the camera to set it to normal operation.

10. Exception clause

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