

User's Guide

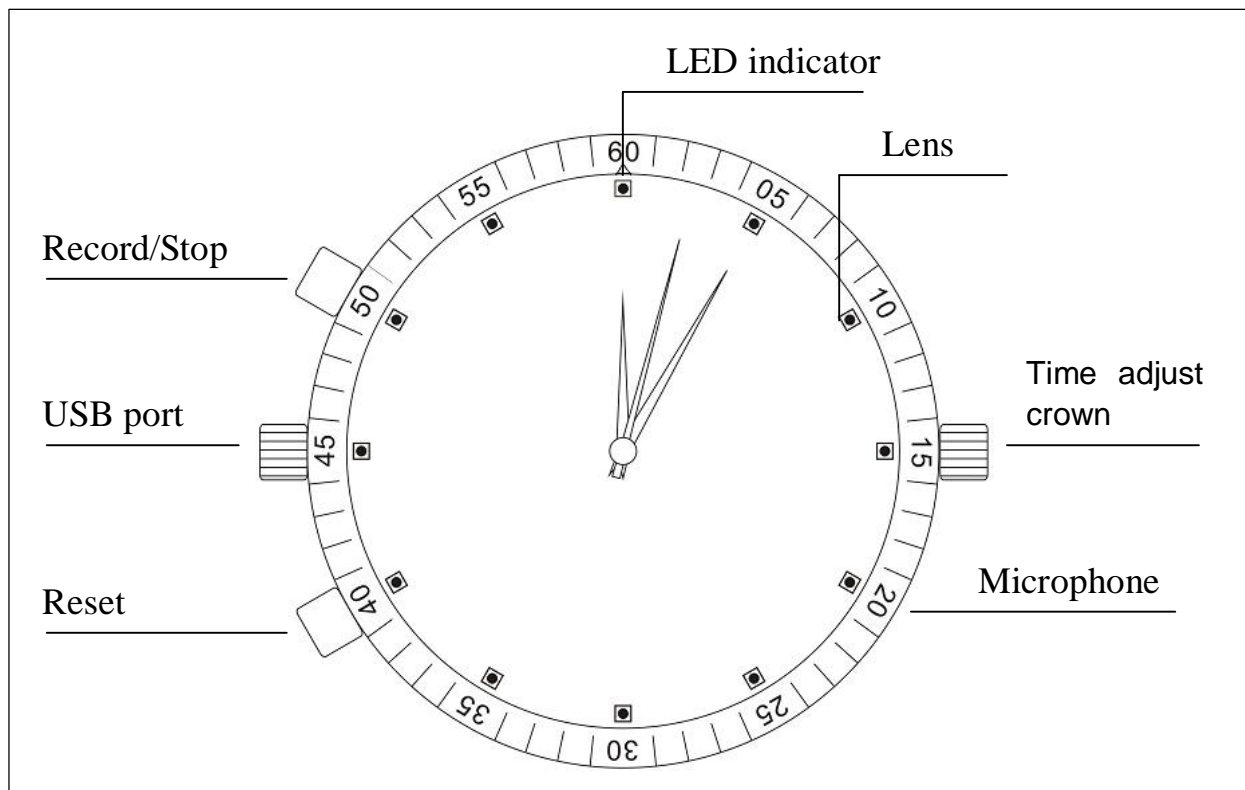
(Enhanced Type)

Thank you for purchasing our watch DVR. Please read this manual carefully and thoroughly before any attempt to operate this product and retain it for your future reference.

Features

- . Low illumination, high resolution video recording and photo taking
- . High speed recording and quick light response
- . Video Resolution: 1280X720/640X480/352X288 selectable
- . Photo Resolution: 1280X720
- . Motion detection auto recording
- . Voice recording function
- . Web camera for online video chat
- . Flexible use as a removable disk
- . Built-in flash memory, 2G /4G /8G optional
- . Support AVI video format
- . Real time display
- . Built-in Li rechargeable battery
- . Easy operation with LED indicator

Product structure



Packing Contents:

- | | |
|---------------------|-------------------------|
| 1), Main Unit (1) | 4), Battery Charger (1) |
| 2), User Manual (1) | 5), USB Cable (1) |
| 3), CD (1) | |

Operation Guide

1. Charge the battery

The recorder has an internal, rechargeable battery. The battery can be charged by following ways:

- 1), By connecting to computer: Open the cover of USB port, put the plug of USB cable in the watch recorder first, then put another plug in the USB port of computer.
- 2). By connecting to the battery charger.

During charging, the blue indicator blinks, when the battery's power is full, the green indicator keeps on.

2. Power on and recording

Press and hold the Record/Stop button for about 3 seconds till the blue indicator turns on, after a while the green indicator turns on and blinks slowly, the recorder starts video recording .

3. Video/Voice/Photo/Motion Detection mode switching:

Every time you turn the recorder on, it will start Video Recording automatically, the green indicator blinks slowly. Click the Record/Stop button once, will stop recording, the blue indicator keeps on (Video Record Standby Mode).

Enter Voice Recording Mode: When the recorder is in Video Record Standby Mode (blue indicator is on), click the Record/Stop button 2 times quickly, the recorder will enter Voice Recording Mode, and start voice recording, the blue indicator will blink slowly.

To quit the voice recording mode, just click the Record/Stop button once, the recorder will back to Video Record Standby Mode, the blue indicator keeps on.

Enter Photo Mode: When the recorder is in Video Record Standby Mode (blue indicator is on), click the Record/Stop button 3 times quickly and continuously, the recorder will enter Photo Standby Mode, and the blue and green indicators will blink alternately .

To quit the Photo mode, again click the Record/Stop button 3 times quickly and continuously, the recorder will back to Video Record Standby Mode, the blue indicator keeps on.

Enter Motion Detection Mode: When the recorder is in Video Record Standby Mode (blue indicator is on), click the Record/Stop button 4 times quickly and continuously, the recorder will enter Motion Detection Mode, and the blue and green indicators will blink slowly.

To quit the Motion Detection mode, again click the Record/Stop button 4 times quickly and continuously, the recorder will back to Video Record Standby Mode, the blue indicator keeps on.

4. Video recording:

In Video Record Standby Mode (blue indicator is on), Click the Record/Stop button once to start video recording, the green indicator blinks slowly. During recording, click the Record/Stop button again, will stop recording, and start saving the recorded video data. After data saving finished, the blue indicator turns on and waiting next recording.

If the continuous recording time is over 60 minutes, the recorder will save the current recording data, and then restart video recording automatically.

Note: To obtain perfect video, please place the recorder under enough illumination. Keep the recorder toward the target, and at least 50cm from the target.

5. Photo taking:

In Photo Standby Mode (blue and green indicators blink alternately), click the Record/Stop button once to take photo, the blue indicator blinks rapidly, and two photos will be taken and saved each time. You may choose a satisfied picture from them.

Note: To obtain clear picture, please keep the recorder static and not shake during photographing.

6. Motion detection auto recording:

In Motion Detection Mode (blue and green indicators blink slowly), when the object is moving in front of lens, the recorder will start video recording automatically, blue and green indicators blink faster. When the object stop moving, after a few seconds, the recorder will stop recording and save video data. When the disk space is full, it will automatically cut the earliest recorded video file, so as to preserve the new recorded video file.

Click the Record/Stop button once, will pause motion detecting, and the blue and green indicators will keep on.

6. Turn the recorder off

When the recorder is working or stand-by, press and hold the **Record/Stop** button down for about 3 seconds, the recorder will shut down.

Auto power off function: The recorder will shut down automatically in following three conditions:

. The battery's power is low. the blue indicator will blink for seconds, and then the recorder will save data and shut down automatically .

- . The memory is full. the blue and green indicators will blink for seconds, and then the recorder will save data and shut down automatically.
- . If no operation for 5 minutes in standby mode, the recorder will shut down to save power.

7. Connecting to PC

. **Connect the recorder to your computer:** When the recorder is shut down, you can connect the recorder to the USB port of computer. After a while, a removable disk drive will appear on the computer screen.

Note: 1). Please connect the recorder and computer firmly and securely. If no response for 30 seconds after connected, please disconnect the recorder, and reconnect again.

2). Please do not connect the recorder to computer during video recording or photo taking.

. **Function as a removable disk:** When connect the recorder to computer, you can copy, move, or delete files stored in built-in memory.

Note: It is highly recommended to copy the recorded video files into the hard disk of computer, and then to playback. Because of large amount of data flow, directly playback the video files stored in built-in memory, may cause the playback not smoothly.

. **Function as a PC camera:**

The recorder can be used as a web camera for online video chat.

Connect the recorder with your computer, after the removable disks appeared on the screen, press and hold the **Record/Stop** button for 3 seconds, the removable disks will disappear, after a while, the USB video device will appear on screen, now you can use the recorder as a web camera.

8. Setting time

The recorder has the function of real-time display, the date and time will be shown on the the image. You can set or correct the date and time:

- 1). Connect the recorder to the computer .
- 2). Open the file 'time.txt' included in CD, correct the date and time.
- 3). Save the file to the root directory of the recorder memory.
- 4). Unplug the recorder from the computer, turn the recorder on, the new time will be set up automatically.

9. Setting video resolution

Three kinds of video resolution can be set according to the different needs: 1280x720, 640x480, 352x288.

1), A sample file “framesize.txt” is included in CD, you can open it and change the digit for different video resolution:

0 for 1280x720;

1 for 640x480;

2 for 352x288;

2), Connect the recorder to computer, save the modified file to the root directory of the recorder memory.

4), Disconnect the recorder from computer, turn the recorder on, the new video resolution will be set up automatically.

10. Reset the recorder

In case of system broken down or hung up, please reset the recorder by pressing both the Reset button and Record/Stop button once in same time. The recorder will work normally again.

11. Watch time adjusting

1). Pull the crown out to the time correction position.

2). Turn the crown to move the minute hand to set the correct time.

3). Securely return the crown to the normal position.

* The other watch functions are same as a regular watch, it's simple and easy to use.

12. Specifications

Dimension:	52mm×45mm×15mm(approx.)
Weight:	100g(approx.)
View Angle:	62°
Minimum Illumination:	1 Lux
Video Format:	AVI
Resolution:	1280×720/640x480/352x288 selectable
Frame Rate:	≥20fps
Photo Image Format:	JPG 1280x720
Voice Sampling:	16bit
Operation System:	2000/XP/Vista
USB Interface:	USB 2.0
Battery Charge:	DC 5V
Store Temperature:	-20°- 80°

(Specifications are subject to minor change with upgrade and update. Please base on real object.)

Care and maintenance

Your device is a product of superior design and craftsmanship and should be treated with care. The following suggestions will help you protect your warranty coverage.

- Keep the device dry. Precipitation, humidity, and all types of liquids or moisture can contain minerals that will corrode electronic circuits. If your device does get wet, allow it to dry completely.
- Do not use or store the device in dusty, dirty areas. Its moving parts and electronic components can be damaged.
- Do not store the device in hot areas. High temperatures can shorten the life of electronic devices, damage batteries, and warp or melt certain plastics.
- Do not store the device in cold areas. When the device returns to its normal temperature, moisture can form inside the device and damage electronic circuit boards.
- Do not drop, knock, or shake the device. Rough handling can break internal circuit boards and fine mechanics.
- Do not use harsh chemicals, cleaning solvents, or strong detergents to clean the device.

*Please follow State's law. Do not use the recorder illegally.