

User Manual

Motion Activated Digital Camera KC256



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

(Install the CD with your PC if your existing Window Media Player cannot play the Pen Cam Video)

4) Battery Charger (1)

5) USB Cable (1)

Care and maintenance

Your device is a product of complicated design and should be treated with care. The following suggestions will help you protect your product:

- Keep the device in dry condition and away from water. Precipitation, humidity, and all types of liquids or moisture can contain minerals that will corrode electronic circuits.
- Do not use or locate the device in dusty, dirty area. Its detachable parts and electronic components can be damaged.
- Do not store the device in hot area. Too high temperature can shorten the life of electronic devices, damage batteries, and warp or melt certain plastics.
- Do not store the device in frozen area. When the device returns to its normal temperature, moisture can form inside the device and damage electronic circuit boards.
- Do not attempt to open the device's components inside.
- Do not drop, knock, or shake the device. Rough handling can break its internal circuit boards and lens.
- Do not use harsh chemicals, cleaning solvents, or strong detergents to clean the device.

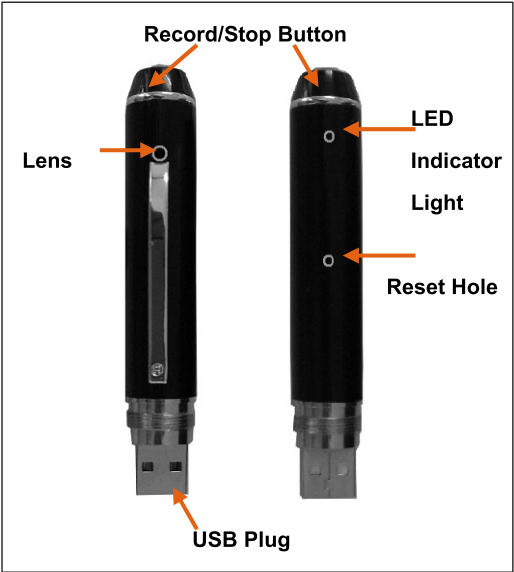
NOTE: Please follow the State's law. Do not use the Pen Cam illegally.

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Features

- Low illumination, high resolution video and photo recording/taking
- High speed recording and quick light response
- Video Resolution: 1280X720/640X480/352X288 selectable
- Photo Resolution: 1280X720
- Motion detection auto recording
- 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 Lithium rechargeable battery
- It can still do recording while it is connecting to the AC powered charger, which allows long time recording without worrying battery being drained out.

Overview:



Operation Guide

1. Charge the battery:

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

- 1) By connecting to PC through the USB slot and USB cable.
- 2) By AC power battery charger included inside the package.

(Note: the Pen Cam can be plugged into the AC adaptor directly to do charging without using the USB cable).

10. Specifications:

Dimension:	150mm×15mm×15mm(approx.)
Weight:	45g(approx.)
View Angle:	62°
Minimum Illumination:	1 Lux
Video Format:	AVI
Resolution:	1280×720/640×480 /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 refer to the more recent product you have received.

11. Package includes:

- 1) Pen Cam (1)
- 2) User Manual (1)
- 3) CD (1)

the Pen Cam will shut down automatically to save power.

8. Turn off the Pen Cam:

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

9. Reset function:

In case of system broken down or hung up, please reset the Pen Cam. There is a small Reset hole on the Pen Cam, use a pin-tip tool (e.g. toothpick) to press the Reset button inside the hole on Pen Cam. Restart the Pen Cam, and it will work normally again.

During charging, the blue indicator light will blink slowly, when the battery's power is full, the blue indicator light keeps on solid. It is recommended that you recharge the Pen Cam until the blue indicator light keeps on solid before your first time use.

2. Power on and recording:

Press and hold the Record/Stop button for about 3 seconds until the blue indicator light turns on, after a while the green indicator light will blink slowly; the Pen Cam now starts recording video.

(Note: the Pen Cam goes into video recording mode automatically every time you turn on the Pen Cam).

3. Video / Photo / Motion Detection mode switching:

A. Video Recording Mode / Stop Recording Mode:

Every time you turn on the Pen Cam, it will start video/audio recording automatically, and the green indicator light blinks slowly. Press the Record/Stop button **once**, it will stop recording, and the blue indicator light keeps on solid.

(The Pen Cam is now in Video Record Standby Mode).

Video recording: under the Video Record Standby Mode

(The blue indicator light is on solid), Press the Record/Stop button **once** to start video recording, and the green indicator light blinks slowly. During recording, press the Record/Stop button **once again**,

it will stop recording and start saving the recorded video data automatically. After data being saved, the blue indicator light turns on solid and waits for next recording command (Go back to the Video Record Standby Mode).

(Note: If the continuous recording time is over 60 minutes, the Pen Cam will save the current recording data and then restart video recording automatically).

(Note: To obtain perfect video, please place the Pen Cam toward the target with at least 50cm in distance and there should have enough illumination around the target).

B. Do Only Voice Recording Mode:

When the Pen Cam is in Video Record Standby Mode (The blue indicator light is on solid), press the Record/Stop button 2 times quickly, the Pen Cam will enter into the Voice Recording Mode and start voice recording automatically, and the blue indicator light will blink slowly.

To stop the Voice Recording Mode, just press the Record/Stop button once, the Pen Cam will go back to Video Record Standby Mode, the blue indicator light keeps on solid.

C. Enter Photo Mode:

When the Pen Cam is in Video Record Standby Mode (The blue indicator light is on solid), press the Record/Stop button 3 times quickly, the Pen Cam

move, or delete files stored in the Pen Cam's built-in memory. You can even transfer your other document data or any other files to the Pen Cam and use it as your portable flash memory card.

C. Function as a PC web camera:

Connect the Pen Cam with your computer, after the removable disk appears on the computer screen, press and hold the Record/Stop button for 3 seconds, the removable disk will disappear from your computer screen, after a while, the USB video device will appear on your computer screen, now you can use the Pen Cam as a PC web camera.

7. Auto power off function:

The Pen Cam will be shut down automatically under the following three conditions:

A. When the battery power is low:

At this time, the blue indicator light will blink for couple seconds, and then the Pen Cam will save data and shut down automatically.

B. When the memory is full:

At this time, the blue and green indicator lights will blink for seconds, and then the Pen Cam will save data and shut down automatically. (Note: when you set the Pen Cam in Motion Detection Mode, it will not shut down automatically because it can overwrite the previous recorded files and continue its recording).

C. If no operation for 5 minutes in Standby Mode

2) Connect the Pen Cam to your computer and open the Pen Cam folder, save the modified file "framesize.txt" to the Pen Cam folder directly.

3) Disconnect the Pen Cam from your computer and then turn on the Pen Cam again. The new video resolution is now updated automatically in your Pen Cam and is ready to be used.

6. Connecting to PC:

A. Connect the Pen Cam to your computer:

Turn off the Pen Cam first. Then you can insert the Pen Cam into the USB port of your computer. After a while, a removable disk symbol will appear on the computer screen. The blue indicator light on Pen Cam will blink (charging battery), or keeps on solid (battery power is full).

Note: Please do not connect the Pen Cam to your computer when the Pen Cam is on working status. You need to turn off the Pen Cam first before connecting it to your computer.

Note: If your computer media player cannot play the video from this device, you can also download online the free media player that can play the AVI format video: <http://www.videolan.org> (download the VLC software for Windows (16MB)).

B. Function as a removable disk:

When connecting the Pen Cam to PC, you can copy,

will enter into the Photo Standby Mode, and the blue and green indicator lights will blink alternately at the same time.

To take digital photos: In Photo Standby Mode, press the Record/Stop button **once** to take photo, the blue indicator light now blinks rapidly, and two photos will be taken and saved every time you press the Record/Stop button **once**.

(Note: you may choose a satisfied picture from two photos being taken after transferring them to your PC).

To exit the Photo mode, press the Record/Stop button **3 times** quickly again, the Pen Cam will go back to Video Record Standby Mode, and the blue indicator light keeps on solid.

D. Enter Motion Detection Mode:

When the Pen Cam is in Video Record Standby Mode (The blue indicator light is on solid), press the Record/Stop button **4 times** quickly, the Pen Cam will enter into the Motion Detection Mode, the blue and green indicator lights will blink slowly at the same time.

Under Motion detection auto recording mode:

In the Motion Detection Mode (The blue and green indicator lights blink slowly together), when the object is moving in front of lens, the Pen Cam will start video recording automatically, the blue and green indicator lights blink faster. When the object stops

moving in front of lens, after a few seconds, the Pen Cam will stop recording and save video data on Pen Cam automatically. When the memory disk space is full, it will automatically overwrite the earliest recorded video file and continue its recording.

Now, if you want to **Pause** the Motion Detection, simply Press the Record/Stop button **once**, and the blue and green indicator lights will keep on solid. To go back to Motion Detection, Press the Record/Stop button **once again**, and the blue and green indicator lights blink slowly together.

To stop the Motion Detection mode, press the Record/Stop button **4 times quickly again**, the Pen Cam will go back to Video Record Standby Mode, and the blue indicator light keeps on solid.

Suggestion: When using the motion detection function, for the purpose of long time recording, we suggest that you set the resolution to 640x480 or 352x288 in order to save the memory space. (refer to the resolution setting instructions)

4. Setting time:

The Pen Cam has the function of real-time display, the date and time will be shown on the image. To set or correct the date and time, follow the steps below:

1). Go to your computer and open your Microsoft Word software. Edit a text file, the format is "20100806153000" (First 4 digits for the year,

following 2 digits for the month, 2 digits for the day, and others for hour, minute and second), and then save the file (text format) in your PC's document folder with the file name "time.txt".

(Note: A sample file "time.txt" is included in the CD with your package, you can use it to modify date and time directly if you do not want to create your own text file again).

2) Connect the Pen Cam to your computer, open the Pen Cam folder when the window box pops up from your PC screen, copy the "time.txt" file from your PC's folder and paste it into the Pen Cam folder. (Note: You can also save the "time.txt" file from your PC to the Pen Cam folder directly).

3) Disconnect the Pen Cam from your computer and then turn on the Pen Cam again. The time in your Pen Cam is now being updated automatically and is ready to be used.

5. Setting video resolution:

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

1) A sample text file "framesize.txt" is included in the CD with your package. Insert the CD into your PC and open its folder. Open the file "framesize.txt" from the CD folder and you change the digit for different video resolutions:

0 for 1280x720;

1 for 640x480;

2 for 352x288;