



HD90 TRUE 720P CAMERA PEN

PENRECORDERPRO.COM

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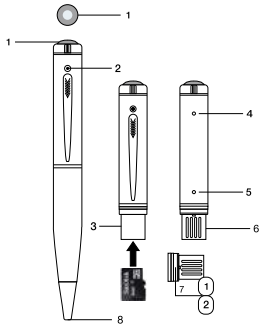
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## 1-YEAR WARRANTY

All PenRecorderPro products and accessories are guaranteed against manufacturing defects for 1 year from date of purchase. PenRecorderPro's sole responsibility, if there is a defect, is to replace or repair the defective product with the same or updated version of the product. The decision is at PenRecorderPro's sole discretion. The warranty will not cover damage that results from daily use, normal wear and tear, or accidents. As always we are here to help. If you have questions simply drop us a line.



1. ON/OFF/OKAY
2. CAMERA
3. MINI SD CARD
4. LIGHT
5. LIGHT
6. USB
7. MODE SWITCH
8. INK TIP

## Product Features

- Full 720p Recording
- Records images, audio, and video
- High-capacity Lithium battery
- Convenient removable storage

### A. Charging

1. With the pen powered off, connect the USB side of pen into a USB charging port.
2. Orange charging light will blink to indicate charging.
3. Pen is fully charged when orange light becomes solid. (Note: Before first use, we suggest charging the device for 4 hours.)

## B. Changing Modes

This pen is equipped with mode selectors for modes 1 and 2. Each mode has a specific use. To switch modes, move the mode switch back and forth between modes. Never attempt to change modes while pen is powered on.

**Mode 1:** Use this mode to take pictures and audio recordings.

**Mode 2:** Use this mode to record video.

## C. Powering Device On/Off

1. While turned off, hold down the power button for 2-3 seconds, and the power light will illuminate on the pen.

2. At anytime (recording or not) you can turn the pen off by holding the power button down for 7-10 seconds (or until the light on the pen turns off.)

## D. Video Recording

1. While the pen is turned off, switch the mode to Mode 2.

2. Power on the device by holding the power button for 2-3 seconds.

3. You will see a blue light and then a yellow/blue light when this is done. The light will then turn to flashing blue, then turn off; this indicates that the device is now recording.

4. To pause the video, press the power button (the yellow light will illuminate.)

5. To resume recording, press the power button again (the yellow light will turn off.)

## E. Audio Recording

1. While the pen is turned off, switch to Mode 1.

2. Power on the device by holding the power button for 2-3 seconds.
3. You will see a blue/yellow light, then the yellow light will flash twice, then all lights will turn off; this indicates that the device is now recording.
4. To pause the audio, press the power button (the yellow light will illuminate.)
5. To resume recording, hold the power button down for 2-3 seconds (the yellow light will flash, then turn off.)
6. To power off the device, simply hold the power button down for about 7-10 seconds (until all lights turn off.)

## F. Photo Taking

1. While the pen is turned off, switch to Mode 1.

2. Power on the device by holding the power button for 2-3 seconds.
3. You will see a blue/yellow light, then the yellow light will flash twice, then all lights will turn off; this indicates that the device is now recording audio. Simply press the power button again to pause the audio recording.
4. Press the power button once while audio recording is paused (you will see a blue light flash momentarily next to the yellow pause light.)
5. Once blue flash happens, photo has been taken.

## G. Connect to a computer

1. While the pen is turned off, plug the pen into your computer's USB port or the USB extension cable (make sure it is plugged in

the right way, as this device is capable of being plugged in backwards.)

2. Yellow charging light will blink to indicate charge.
3. Device will show on your computer after several seconds (“My Computer”/“Computer” for Windows and “Finder” for Mac.)
4. Use the Pen drive as you would any regular USB drive.

## H. Adjust Date/Time

1. Connect the pen to the computer (follow Step G.)
2. Open your computer’s text editor (“Notepad” for Windows, “TextEdit” for Mac).
3. Type your date/time in the following format: **year.month.day hour:minute:second** (Example: 2011.01.31 12:00:00Y)
4. Save file in the root directory of the pen drive (place the file

next to the “DCIM” folder, not in it), and name it “time.txt”

5. Safely eject pen, power it on, and record video to finalize the change.

## I. Force Power Off

If the pen behaves abnormally, simply press a fine object (e.g. tip of paper clip) into the reset hole for 5 seconds to force the device to power down, then power back up.

## J. Insufficient Battery or Memory

When there is insufficient space the blue light will flash for 10 seconds before the pen saves the last files and shuts down. When there is insufficient battery life the orange light will flash for 10 seconds before the pen saves the last files and shuts down.

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Item mesh	Related parameters
Video format	AVI
Video coding	NTSC
Video resolution	1280X720P
Video frame rate	30FPS
Player software	Playback in windows media player, VLC, or quicktime
Format images	JPG
Image pixels	1600X1200

Image proportion	4:3
Support system	Windows me/2000/xp/2003/vista; Mac os; Linux;
Battery capacity	180 mAh
Working time	About 65 minutes
Recharging	DC-5V
Interface type	USB connection
Storage support	Micro SD card
Battery type	Rechargeable lithium-ion polymer