Playing Video / Audio

Playing Video through TV Out
1) Connect the video cable to TV and device like the following picture. (yellow jack for Video Input, white and red for Audio L/R on the TV)
2) Select VIDEO Mode on Mode S/W
3) Push the "Operation Button", then power will turn on and blue LED start blinking to play video after green LED flicked out.
4) Video Playing starts from latest recored video in reversed order.
5) If you push the "Operation Button" quickly 2 times within 1 second while playing the video, it stops playing current video, then start playing the file right before currently played file.
6) If you push the "Operation Button" a long while, it stops and power offs.

Listening the recorded Voice using earphones
1) Connect the provided earphones to the device as above picture.
2) Select AUDIO Mode on Mode S/W.
3) Push the "Operation Button", then power will turn on and blue LED start blinking to play Voice after green LED flicked out.
4) Voice Playing starts from latest recored voice in reversed order.
5) If you push the "Operation Button" quickly 2 times within 1 second while playing the audio (voice), it stops playing current voice, then start playing the file right before currently played file.
6) If you push the "Operation Button" a long while, it stops and power offs.

Playing on PC

Watching recorded Video on PC
1) Insert the Micro SD Card into the device first.

2) Connect the device into the USB port of the PC using provided USB Cable.

USB Port

USB Cable

PC

3) Click the recored Video file from the folder in My Computer 〉 Removable Disk 〉 VIDEO

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4) Playback the recorded video using any media player such as GOM Player, KMPlayer, or VLC Player (We recommend to use GOM Player for Windows users and VLC Player for Mac users)
   ※ If the video or audio does not playback, please download and install proper codecs from Internet so as to mach with your media player.
   ※ The Quick Photos are stored in My Computer 〉 Removable Disk 〉 CAPTURE

Listening to the recorded voice from PC
1) Insert the Micro SD Card into the device first, then connect the device into the USB port of the PC using provided USB Cable. (refer to the "Watching recorded Video on PC")
2) Click the recored Video file from the folder in My Computer 〉 Removable Disk 〉 VOICE
3) Playback the recorded voice using media player.

Replacing Pen core

This device is to replace the pen core. Please replace the pen core as follows.
1) Separate the case, which have the pen core from the device.
2) The pen core is installed as the below picture. The pen core is to be separated if you turn the the pen core toward counterclockwise using "+" type screw driver.

Pen core

Pen core

Pen core holder

3) Install the new pen core into pen core holder to be fixed, then turn the pen core toward clockwise using "+" type screw driver to install it into pen core holder.

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3) Remove the device from the USB port of the PC.
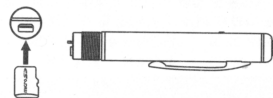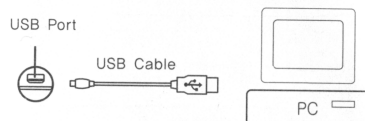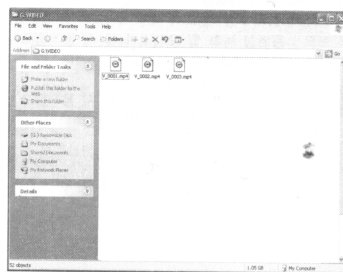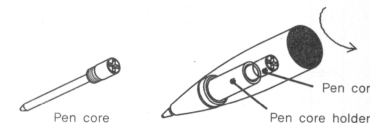4) It will automatically restart and date and time will be changed according to the time setup.

Specification

ITem	Specification		
Model #	**CAM-2**		
Max. Video Recording	4GB : 4 hours		8GB : 8 hours
Max. Voice Recording	4GB : 65 hours		8GB : 130 hours
Video Quality	MPEG4 640x480 / AAC 48kbps, mono		
Audio Quality	MP3 128kbps, mono		
Video Out	NTSC		
Dimension	13mm(D) x 140mm(H)		
Weight	36g		
Storage Media	Micro SD Card		
Battery	Built in Lithium-Polymar BAT. DC3.7V 160mAh		
External Power	DC 5V 0.8A		
Battery Life	Max. 1 hours for video recording Max. 1.5 hours for voice recording		
Operation Temp.	0 ℃ ~ 40 ℃		

Product Warranty

Disclaimer Notice

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of such revisions or changes. The manufacturer also reserves the right to change the specifications without notice.

European CE notice to users and product statements

This product is CE marked according to the provisions of the R & TTE Directive (99/5/EC). Hereby, We, declares that this product is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.
For further information, please contact.

FCC notice to users and product statements

THIS DEVICE COMPLIES WITH PART 15 OF THE FCC RULES. Operation is subject to the following two conditions; (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.
CAUTION: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

WEEE Directive 2002/96/EC Art. 11(2)

The use of the symbol indicates that this product may not be treated as household waste. By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product. For more detailed information about recycling of this product, please contact your local city office, your household waste disposal service or the shop where you purchased the product.

CAM-2
Digital Camcorder/Camera Voice Recorder User's Manual

CE FC Ver 1.0

Packing Contents

Operation Button
Camera
Operation LED
Reset
Mode S/W
Video
Audio

USB Port
Micro SD Card Slot
Ball-point Pen

USB Cable
Video Cable

Micro SD Card
Earphones
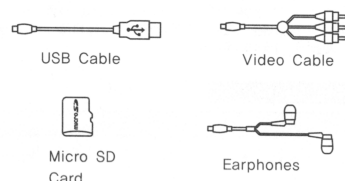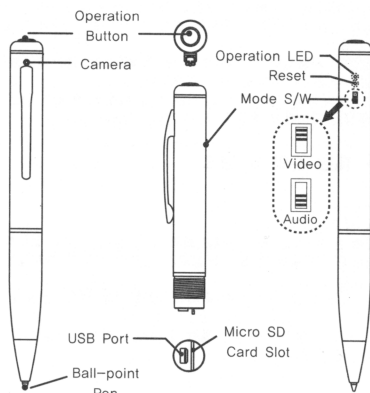
Notice: Please make sure to charge the battery before use.

Micro SD Card

1) Since this device does not have the internal memory, make sure to check the Micro SD card was loaded.
2) When loading the Micro SD card, push the Micro SD card closely to the bottom in its socket of the device.
3) When unloading the Micro SD card, push the groove of Micro SD card smoothly out using finger-nail.

Micro SD Card
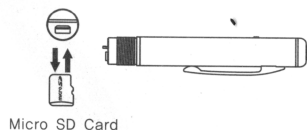
File management and delete

Saving the recorded files
1) Video files are to be saved successively from V_0001 to V_9999 as MP4 file extension into VIDEO folder.
2) Quick Photo files are to be saved successively from C_0001 to C_9999 as JPG file extension into CAPTURE folder.
3) Voice files are to be saved successively from A_0001 to A_9999 as MP3 file extension into VOICE folder.

File management and delete
1) Insert the Micro SD Card into the device first, then connect the device into the USB port of the PC using provided USB Cable.
2) You can check, manage, or delete files, which are saved into the Removable Disk using Windows Explorer.

Operation Guide

Video Recording
1) Select VIDEO Mode (V) on Mode S/W by pulling up.
2) Push the "Operation Button", then power will turn on and blue LED(red LED in low battery) will start blinking to record video after green LED flicked about 5 seconds.
3) To stop recording, push the "Operation Button" a long while, then it save the recored video and turn off the power.
4) If it records continuously more than 10 minutes, it automatically saves recorded file and start recording a new file.

Taking a Quick Photo
1) Select VIDEO Mode (V) on Mode S/W by pulling up.
2) Push the "Operation Button", then green LED will turn on 3 seconds, after that the green LED blinks on 3 seconds.
3) Click the "Operation Button" while green LED blinks in 3 seconds, then blue LED (red LED in low battery) will start blinking to take Quick Photos.
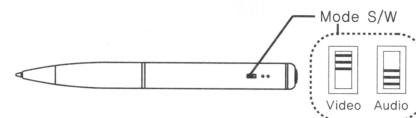4) Quick Photo takes 5 shots at one time, then power will turn off automatically.

Voice Recording
1) Select AUDIO Mode (A) on Mode S/W by pulling down.
2) Push the "Operation Button", then power will turn on and blue LED (red LED in low battery) start blinking to record voice after green LED flicked 2~3 seconds.
3) If you push the "Operation Button" a long while, it will stop and turn off the power Notice.

Notice
※ Please make sure that the Micro SD card was loaded correctly into the device before using Video Recording / Taking a Quick Photo / Voice Recording.
※ Please DO NOT remove the Micro SD card while operation. It may cause the damage and malfunction. We STRONGLY recommend to remove the Micro SD card after POWER-OFF.

Charging battery

1) Connect the USB cable directly to the PC or provided AC Adapter so as to start charging like the following picture
2) While charging the battery, it blinks in red LED and it changes to green LED after the charging completed.
3) Generally it might take 2~3 hours to complete the charging.
4) Even in the battery charging, you can record Video and Voice using "Operation Button".

AC Adapter
USB Cable
USB Port
USB Cable
PC
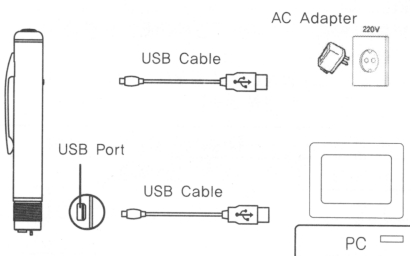
Reset

If the device happen to occur the malfunction, push reset S/W so as to work properly using the edge of sharpen pencil.

Reset

Changing Mode

1) You may select VIDEO and VOICE Mode from Mode S/W. (Changing Mode must be selected while POWER-OFF)
2) Each Mode operates like the following
   - VIDEO Mode: Recording / Playing Video
   - PICTURE Mode: Taking a Quick Photo while selecting on VIDEO from Mode S/W.
   - VOICE Mode: Recording / Playing Voice

Mode S/W
Video   Audio

LED Blinking

LED Blinking shows each operation of the device
1) Operation Status: LED color shows battery status
   - Recording Mode: While recording Video and Voice, blue LED blinks a time in every 1.5 seconds and red LED blinks in low battery.
   - Playing Mode: While playing Video and Audio, blue LED blinks 2 times in every 1.5 seconds and red LED blinks in low battery.
   - Charging Mode: While charging the battery, it blinks in red LED and it changes to green LED after the charging completed.
   - Error Status: it blinks in red LED.
2) Battery Status: if the battery is low, the operation LED blinks in red while operation. (it might record less than 10 minutes for the video recording)

Longtime Recording

CAM-2 supports longtime recording for video(up to 4 hours video recording based on 4GB of Micro SD card) or voice using external battery pack, power from USB port of the PC, or connected USB cable to AC adapter.
1) Connect the USB cable to the USB port of the PC or provided AC adapter. (refer to the Charging battery)
2) While charging, press "Operation Button" slightly and it releases the USB connection to start recording the video or voice depends on the status of the Mode Switch. (it charges continuously while recording video or voice if the USB cable is connected to PC or AC adapter)
3) Since it uses the external power, no matter what memory capacity it records till memory of the Micro SD card would be not enough space to record.

Time setup

1) Insert the Micro SD Card into the device first, then connect the device the PC using provided USB Cable.
2) Create the time setup file (date_time.cfg), which must be saved on the root folder of Removable disk using "memo pad" application.
   ① Notepad running.
   ② Date, time, "year month day hours minutes seconds" in order to enter.
   ③ file by clicking the "Save As" to choose.
   ④ Location to store the "Removable Disk" is selected.
   ⑤ Date_time.cfg to enter the file name.
   ⑥ Click Save and close the window if you are finished.

Untitled - Notepad
File Edit Format View Help
2011 05 18 13 16 00

CAPTURE
VIDEO
VOICE

File name: date_time.cfg