# Video Mode : Setting Various Functions

## Setting the Video file Record mode

You can set the record mode before starting video file record.

**1. Move [POWER/MODE Selector] down to turn on the CAM.**
   ◆ The Video Record Screen appears.
   ◆ You can select Video mode or Previous mode as the start-up mode in System Settings. (Refer to page 98)

**2. Press the [MENU] button.**
   ◆ The Video Settings screen appears.

**3. Move the [W/T] button to select <Record Mode> and press the [▶] button.**

**4. Move the [W/T] button to select the desired setting and press the [OK] button.**
   ◆ **TV (i)**: The system generates clear images when played back on TV.
   ◆ **PC (p)**: The system generates clear images when played back on PC.

**5. Press the [MENU] button to finish setting.**

Notes

❖ In case <TV> is selected as the Record Mode, the size is set to 720i only.
❖ In case <PC> is selected as the Record Mode, the size is set to 720p or 352p.
❖ If you select <◀> in the menu, the previous menu appears.
❖ When the size is set to <352>, <PC> is automatically selected for Video files recording.

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# **Video Mode : Setting Various Functions**

## *Setting the External Input/Output*

**1. Move [POWER/MODE Selector] down to turn on the CAM.**
◆ The Video Record Screen appears.
◆ You can select Video mode or Previous mode as the start-up mode in System Settings. (Refer to page 98)

**2. Press the [MENU] button.**
◆ The Video Settings screen appears.

**3. Move the [W/T] button to select <Line In/Out> and press the [▶] button.**

**4. Move the [W/T] button to select the desired setting and press the [OK] button.**
◆ **Out**: Select this when recording or playing back the contents of the CAM into an external device.
◆ **In**: Select this when recording the contents of an external device into the CAM.

**5. Press the [MENU] button to finish setting.**
◆ The CAM is set to the selected setting.

Note

✽ If you select <◀> in the menu, the previous menu appears.

# Video Mode : Setting Various Functions

## *Setting the Focus*

You can set the focus depending on the subject or the environment. In most situations,
you can record best using AF(Auto Focus).

**1. Move [POWER/MODE Selector] down to turn on the CAM.**
   ◆ The Video Record screen appears.
   ◆ You can select Video mode or Previous mode as the start-up mode in System Settings.
     (Refer to page 98)

**2. Press the [MENU] button.**
   ◆ The Video Settings screen appears.

**3. Move the [W/T] button to select <Focus> and press the [▶] button.**

**4. Move the [W/T] button to select the desired setting and press the [OK] button.**
   ◆ **AF**: Set the focus automatically. When the CAM turns on, AF is selected in default.
   ◆ **MF( )**: Set the focus manually. .

**5. Press the [MENU] button to finish setting.**
   ◆ The icon of selected function is displayed.
   ◆ If you select the AF, no icon is displayed.

### Manual Focus

**Adjust the focus using MF [ + ] / [ − ] button to zoom in or out manually.**
   ◆ When a picture contains objects that are both close and far away from the CAM.
   ◆ When a person is enveloped in fog or surrounded by snow.

#### Notes

✤ If you select <◀> in the menu, the previous menu appears.
✤ Changes in the set-up made in the Photo mode are all retained in the Video mode.
✤ The focus is set to AF mode automatically when the CAM is turned off.

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# Video Mode : Setting Various Functions

## *Setting the EIS (Electronic Image Stabilizer)*

The Electrical Image Stabilizer is a function that compensates for hand shake and other movements while recording.
EIS provides more stable video when:
   ◆ Recording with zooming
   ◆ Recording small objects
   ◆ Recording while walking or moving
   ◆ Recording through the window in the vehicle

**1. Move [POWER/MODE Selector] down to turn on the CAM.**
   ◆ The Video Record screen appears.
   ◆ You can select Video mode or Previous mode as the start-up mode in System Settings.
      (Refer to page 98)

**2. Press the [MENU] button.**
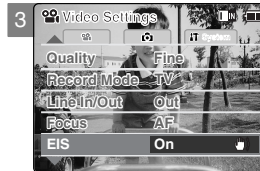   ◆ The Video Settings screen appears.

**3. Move the [W/T] button to select <EIS> and press the [▶] button.**

**4. Move the [W/T] button to select the desired setting and press the [OK] button.**
   ◆ **On( )** : Set the EIS function.
   ◆ **Off** : Cancel the EIS function.

**5. Press the [MENU] button to finish setting.**
   ◆ If you select <On>, the icon of EIS is displayed.
   ◆ If you select <Off>, no icon is displayed.

Notes

✤ If you select <◀> in the menu, the previous menu appears.
✤ The EIS is set to Off automatically when the CAM is turn off.

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# Video Mode : Setting Various Functions

## Setting the White Balance

The White Balance may vary depending on the lighting conditions.
The White Balance is used to preserve natural colors under different lighting conditions.

### 1. Move [POWER/MODE Selector] down to turn on the CAM.
◆ The Video Record screen appears.
◆ You can select Video mode or Previous mode as the start-up mode in System Settings. (Refer to page 98)

### 2. Press the [MENU] button.
◆ The Video Settings screen appears.

### 3. Move the [W/T] button to select <White Balance> and press the [▶] button.

### 4. Move the [W/T] button to select desired setting and press the [OK] button.
◆ **Auto**: Adjust the color depending on the condition automatically.
◆ **Hold( )**: Record with first selected color without adjusting color.
◆ **Outdoor( )**: Record with the balanced light. (Natural light)
◆ **Indoor( )**: Record with the balanced light. (Glow lamp or light in the studio)

### 5. Press the [MENU] button to finish setting.
◆ The icon of selected function is displayed.
◆ If you select <Auto>, no icon is displayed.

#### Notes

✤ If you select <◀> in the menu, the previous menu appears.
✤ Turn the Digital Zoom off for more accurate White Balance setting.
✤ Changes in the set-up made in the Photo mode are all retained in the Video mode.

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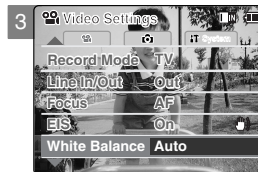
# Video Mode : Setting Various Functions

## *Setting the Program AE (Programmed Auto Exposure)*

It allows you to adjust the aperture setting to suit different conditions.

**1. Move [POWER/MODE Selector] down to turn on the CAM.**
◆ The Video Record screen appears.
◆ You can select Video mode or Previous mode as the start-up mode in System Settings. (Refer to page 98)

**2. Press the [MENU] button.**
◆ The Video Settings screen appears.

**3. Move the [W/T] button to select <Program AE> and press the [▶] button.**

**4. Move the [W/T] button to select desired setting and press the [OK] button.**
◆ **Auto**: Auto mode balances exposure and shutter speed to get the best result . The shutter speed automatically varies from 1/60 to 1/250 per second depending on the scene.
◆ **Sports(  )**: For recording fast-moving people or objects. It is suitable for sports events, recording outside in the car.
◆ **Spotlight(  )**: Compensates for a subject that appears too bright under strong direct light such as spotlight. It is suitable for concert and school performance.
◆ **Sand/Snow(  )**: Use when the light is very strong such as on the beach or in the snow.
◆ **HS Shutter(  )**: Allows fast-moving images to be captured one frame at a time.

**5. Press the [MENU] button to finish setting.**
◆ The icon of selected function is displayed.
◆ If you select <Auto>, no icon is displayed.

Note

✦ If you select <◀> in the menu, the previous menu appears.

**52**
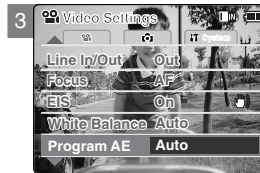
# Video Mode : Setting Various Functions

## *Setting the BLC (Backlight Compensation)*

The Backlight Compensation function helps to make the subject brighter when the subject is in front of a window or the subject is too dark to distinguish. You can use this function when use the CAM in the bright background and snowy background.

**1. Move [POWER/MODE Selector] down to turn on the CAM.**
   ◆ The Video Record screen appears.
   ◆ You can select Video mode or Previous mode as the start-up mode in System Settings. (Refer to page 98)

**2. Press the [MENU] button.**
   ◆ The Video Settings screen appears.

**3. Move the [W/T] button to select <BLC> and press the [▶] button.**

**4. Move the [W/T] button to select desired setting and press the [OK] button.**
   ◆ **On( BLC )**: Set the BLC function.
   ◆ **Off**: Cancel the BLC function.

**5. Press the [MENU] button to finish setting.**
   ◆ < BLC > is displayed.
   ◆ If you select <Off>, < BLC > is not displayed.

Notes

❖ If you select <◀> in the menu, the previous menu appears.
❖ The BLC is released when the CAM is turned off.
❖ Changes in the set-up made in the Photo mode are all retained in the Video mode.

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# Video Mode : Setting Various Functions

## *Setting the Effect*

You can create professional looking effect on your video file.

**1. Move [POWER/MODE Selector] down to turn on the CAM.**
- ◆ The Video Record screen appears.
- ◆ You can select Video mode or Previous mode as the start-up mode in System Settings. (Refer to page 98)

**2. Press the [MENU] button.**
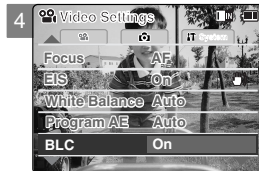- ◆ The Video Settings screen appears.

**3. Move the [W/T] button to select <Effect> and press the [▶] button.**

**4. Move the [W/T] button to select desired setting and press the [OK] button.**
- ◆ **Off**: Cancel the <Effect>.
- ◆ **Art**: Artistic effects on your video file.
- ◆ **Mosaic**: A mosaic overlay appears on your video file.
- ◆ **Sepia**: The picture is displayed in sepia color similar to that of an old photograph.
- ◆ **Negative**: Reverses the colors, creating the look of a negative.
- ◆ **Mirror**: This mode cuts the picture in half using a Mirror effect.
- ◆ **B&W**: Changes the images into Black and White.

**5. Press the [MENU] button to finish setting.**
- ◆ The effect and letter of selected function are displayed.
- ◆ If you select <OFF>, no icon is displayed.
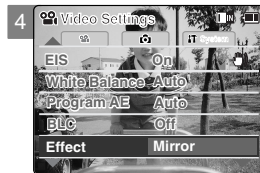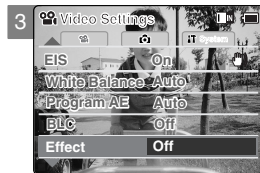
Notes

✛ If you select <◀> in the menu, the previous menu appears.
✛ When the screen size is set to 352(352✕240), it is played back in smaller size than 720(720✕480) on PC.

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# Video Mode : Setting Various Functions

## Setting the Digital Zoom

Zooming more than X10 is achieved digitally, up to X100 when combined with optical zoom.
The Digital Zoom processes data to enlarge the center portion of the image to fill the frame.
It may produce a less detailed and slightly grainy picture.

**1. Move [POWER/MODE Selector] down to turn on the CAM.**
- ◆ The Video Record screen appears.
- ◆ You can select Video mode or Previous mode as the start-up mode in System Settings. (Refer to page 98)

**2. Press the [MENU] button.**
- ◆ The Video Settings screen appears.

**3. Move the [W/T] button to select <Digital Zoom> and press the [▶] button.**

**4. Move the [W/T] button to select desired setting and press the [OK] button.**
- ◆ **On**: Set the Digital Zoom. (X100)
- ◆ **Off**: Cancel the Digital Zoom.

**5. Press the [MENU] button to finish setting.**
- ◆ The digital zoom indicator appears.

Note

✤ If you select <◀> in the menu, the previous menu appears.

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# Video Mode : Setting Various Functions

## *Setting the Backlight Auto Control*

This function enables to save power consumption by control the brightness of LCD monitor automatically in outdoor.

**1. Move [POWER/MODE Selector] down to turn on the CAM.**
   ◆ The Video Record screen appears.
   ◆ You can select Video mode or Previous mode as the start-up mode in System Settings. (Refer to page 98)

**2. Press the [MENU] button.**
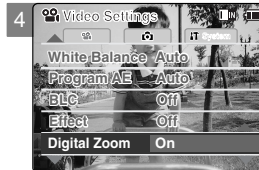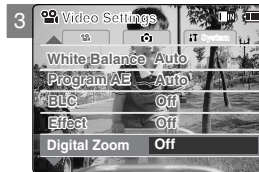   ◆ The Video Settings screen appears.

**3. Move the [W/T] button to select <B.L. Auto Ctl> and press the [▶] button.**

**4. Move the [W/T] button to select the desired setting and press the [OK] button.**
   ◆ **On**: Set the B.L. Auto Ctl function.
   ◆ **Off**: Cancel the B.L. Auto Ctl function.

**5. Press the [MENU] button to finish setting.**
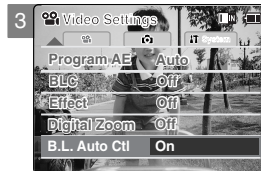
Notes

✜ If you select <◀> in the menu, the previous menu appears.
✜ Recording or Playing back the video file is not affected by Backlight Auto Control function.

**56**

1

Video Record    F / 720i
00:00:00/00:43:41    STBY

3

Video Settings
Program AE    Auto
BLC    Off
Effect    Off
Digital Zoom    Off
B.L. Auto Ctl    On

4

Video Settings
Program AE    Auto
BLC    Off
Effect    Off
Digital Zoom    Off
B.L. Auto Ctl    On

5

Video Record    F / 720i
00:00:00/00:43:41    STBY

# 2 Photo Mode

# **Photo Mode : Capturing**

## *Capturing Images*

You can take photo as well as record video files.

**1. Move [POWER/MODE Selector] down to turn on the CAM.**
   ◆ The Video Record screen appears.

**2. Move [POWER/MODE Selector] down again to select** *Photo* **mode and press the [OK] button.**
   ◆ The Photo Capture screen appears.
   ◆ The system is automatically converted into the selected mode in two seconds even when the [OK] button is not pressed.
   ◆ [ ◻ ]indicator is displayed in LCD monitor and the CAM is ready for taking pictures.

**3. Press [Record/Stop] button to take pictures.**

Notes

✣ If the battery is low and the battery charge icon blinks, the light will not operate and light icon is set to off state.
✣ In order to take pictures in an external memory (Memory Card), insert the Memory Card and then set the memory type to <External>. (Refer to page 32.)
✣ Press the [MENU] button in the Photo Capture mode to see the Photo Settings screen.

# Photo Mode : Capturing

## *Zooming In and Out*

Zooming technique lets you change the size of the subject captured in a scene.

**1. Move [POWER/MODE Selector] down to turn on the CAM.**

**2. Move [POWER/MODE Selector] down again to select *Photo* mode and press the [OK] button.**
♦ The system is automatically converted into the selected mode in two seconds even when the [OK] button is not pressed.
♦ The Photo Capture screen appears.
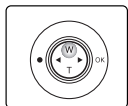
**Zoom Out**

**Press the [W] button to zoom out.**
● The subject appears farther away when you zoom out.
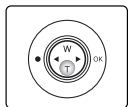
**Press the [T] button to zoom in.**
● The subject appears closer when you zoom in.

**3. Press the [Record/Stop] button to take pictures.**

**Zoom In**

Notes

✤ Zooming in the CAM is X10 -optical electro motion zoom and the quality and definition of the captured photo file are well maintained even when zooming is on.
✤ Frequent use of zooming may result in higher battery power consumption.

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# Photo Mode : Viewing

## *Viewing Photo files on the LCD Monitor*

It is handy and practical to view pictures using the LCD monitor almost anywhere such as in a car, indoors or outdoors.

**1. Move [POWER/MODE Selector] down to turn on the CAM.**
   ◆ The Video Record screen appears.

**2. Move [POWER/MODE Selector] down again to select *Photo* mode and press the [OK] button.**
   ◆ The system is automatically converted into the selected mode in two seconds even when the [OK] button is not pressed.
   ◆ The Photo Capture screen appears.

**3. Press the [OK] button.**
   ◆ It moves to Photo View mode.

**4. Press the [W] button.**
   ◆ The Multi-play screen appears.

**5. Move the [ W/T, ◄/► ] button to find the photo you want to view.**
   ◆ Each time you move the [ W/T, ◄/► ] button, the frame moves vertically and horizontally.
   ◆ Each time you press the VOL [+]/[ – ] button, another page of 9 frames is displayed.

**6. Press [OK] button to view the photo you want.**
   ◆ The full screen is displayed.

Notes

✚ Display time may vary depending on the picture size.
✚ The image edited (turned) in Image Viewer Programme on your PC may not be displayed.

**60**

# Photo Mode : Selecting File Options

## *Deleting Photo files*

You can delete photo files in <File Options>.

**1. Move [POWER/MODE Selector] down to turn on the CAM.**
◆ The Video Record screen appears.

**2. Move [POWER/MODE Selector] down again to select *Photo* mode and press the [OK] button.**
◆ The system is automatically converted into the selected mode in two seconds even when the [OK] button is not pressed.
◆ The Photo Capture screen appears.

**3. Press the [OK] button.**
◆ It moves to Photo View mode.

**4. Press the [W] button.**
◆ The Multi-play screen appears.

**5. Move the [W/T, ◄/►] button to select the photo file you want to delete.**
◆ Each time you move the [W/T,◄/►] button, the frame moves horizontally and vertically.
◆ Each time you move the VOL [+]/[−] button, another page of 9 frames is displayed.

**6. Press the [MENU] button.**
**Move [W/T] button to select <Delete> and press the [OK] button.**

**7. Move the [ W/T] button to select the followings and press the [OK] button.**
◆ **Selected**: The selected photo file is deleted.
◆ **All**: All photo files are deleted.
◆ **Cancel**: Cancel deleting photo files.
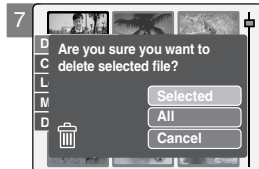
Note

✽ The locked file can not be deleted.

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# Photo Mode : Selecting File Options

### *Locking Photo files*

You can lock the important photo file not to be deleted.

**1. Move [POWER/MODE Selector] down to turn on the CAM.**
   ◆ The Video Record screen appears.

**2. Move [POWER/MODE Selector] down again to select *Photo* mode and press the [OK] button.**
   ◆ The system is automatically converted into the selected mode in two seconds even when the [OK] button is not pressed.
   ◆ The Photo Capture screen appears.

**3. Press the [OK] button.**
   ◆ It moves to Photo View mode.

**4. Press the [W] button.**
   ◆ The Multi-play screen appears.

**5. Move the [W/T, ◄/►] button to select the photo file you want to lock.**

**6. Press the [MENU] button.**
   **Move [W/T] button to select <Lock> and press the [OK] button.**

**7. Move the [ W/T] button to select the followings and press the [OK] button.**
   ◆ **Selected**: The selected photo file is locked.
   ◆ **All**: All photo files are locked.
   ◆ **Cancel**: Cancel locking photo files.

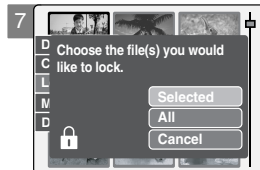Note

✤ The < 🔒 > icon is displayed on the locked file.

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# Photo Mode : Selecting File Options

## *Copying Photo files*

You can copy photo files to the internal or external memory.
Insert the Memory Card into the MULTI CARD slot.

**1. Move [POWER/MODE Selector] down to turn on the CAM.**
- ◆ The Video Record screen appears.

**2. Move [POWER/MODE Selector] down again to select *Photo* mode and press the [OK] button.**
- ◆ The system is automatically converted into the selected mode in two seconds even when the [OK] button is not pressed.
- ◆ The Photo Capture screen appears.

**3. Press the [OK] button.**
- ◆ It moves to Photo View mode.

**4. Press the [W] button.**
- ◆ The Multi-play screen appears.

**5. Move the [W/T, ◄/►] button to select the photo file you want to copy.**

**6. Press the [MENU] button. Move [W/T] button to select <Copy To> and press the [OK] button.**
- ◆ If you select the Storage type 'External', the file is copied to 'Internal' and vice versa.

**7. Move the [ W/T] button to select the followings and press the [OK] button.**
- ◆ **Selected**: Copy the selected photo file.
- ◆ **All**: Copy all photo files.
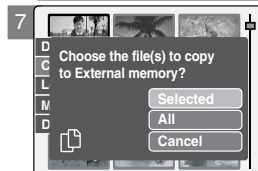- ◆ **Cancel**: Cancel copying photo files.



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# Photo Mode : Selecting File Options

*Setting DPOF (Digital Print Order Format) Function*

Insert the Memory Card into the MULTI CARD slot.

**1. Move [POWER/MODE Selector] down to turn on the CAM.**
   ◆ The Video Record screen appears.

**2. Move [POWER/MODE Selector] down again to select *Photo* mode and press the [OK] button.**
   ◆ The system is automatically converted into the selected mode in two seconds even when the [OK] button is not pressed.
   ◆ The Photo Capture screen appears.

**3. Press the [OK] button.**
   ◆ It moves to Photo View mode.

**4. Press the [W] button.**
   ◆ The Multi-play screen appears.

**5. Move the [W/T, ◄/►] button to select the photo file you want to print.**

**6. Press the [MENU] button. Move [W/T] button to select <DPOF> and press the [OK] button.**
   ◆ You can select <DPOF> only when you've selected Storage Type 'External'. (Refer to page 32.)

**7. Move the [W/T] button to select the number of copies you want to print and press the [OK] button.**

**8. Press the [MENU] button to finish setting.**
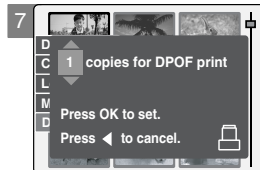
Notes

❖ Refer to page 122 for further details about printing DPOF files.
❖ You can set copies for DPOF print up to 30.

**64**

4

6

Delete
Copy To
Lock
Multi Select
DPOF

7

D
C   **1 copies for DPOF print**
L
M   **Press OK to set.**
D   **Press ◄ to cancel.**

8

# Photo Mode : Selecting File Options

## *Setting Multi Selection*

You can set the multi photo files to delete, copy or lock at one time.

**1. Move [POWER/MODE Selector] down to turn on the CAM.**
◆ The Video Record screen appears.

**2. Move [POWER/MODE Selector] down again to select *Photo* mode and press the [OK] button.**
◆ The system is automatically converted into the selected mode in two seconds even when the [OK] button is not pressed.
◆ The Photo Capture screen appears.

**3. Press the [OK] button.**
◆ It moves to Photo View mode.

**4. Press the [W] button.**
◆ The Multi-play screen appears.

**5. Press the [MENU] button. Move [W/T] button to select <Multi Select> and press the [OK] button.**
◆ "Use VOL [+] button to add selection, or VOL [–] button to deselect" the message appears. Press [OK] button to close the confirm message.

**6. Move the [W/T, ◄/►] button to select desired setting, and press the VOL [+] or VOL [–] button.**
◆ VOL [+]: The selected video file has the mark <✔>.
◆ VOL [–]: When the mark <✔> disappears, the selection is canceled.

**7. Press the [MENU] button. Move [W/T] button to select <Delete>, <Copy To> or <Lock> and press the [OK] button.**

**8. Move the [ W/T] button to select the followings and press the [OK] button.**
◆ **Selected**: The selected photo file is deleted, copied, or locked.
◆ **All**: All photo files are deleted, copied, or locked.
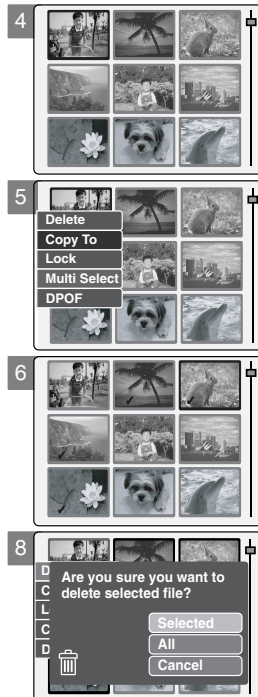◆ **Cancel**: Cancel selecting photo files.

4

5

Delete
Copy To
Lock
Multi Select
DPOF

6

8

**D**
**C** Are you sure you want to
**L** delete selected file?
**C**
**D** 🗑 Selected
All
Cancel

**65**

# Photo Mode : Setting Various Functions

## *Setting the Photo file Size*

You can set the photo files size. The number of stored files varies depending on the Memory Card capacity and photo files size.

**1. Move [POWER/MODE Selector] down to turn on the CAM.**
  ◆ The Video Record screen appears.

**2. Move [POWER/MODE Selector] down again to select *Photo* mode and press the [OK] button.**
  ◆ The system is automatically converted into the selected mode in two seconds even when the [OK] button is not pressed.
  ◆ The Photo Capture screen appears.

**3. Press the [MENU] button.**

**4. Move the [W/T] button to select <Size> and press the [▶] button.**

**5. Move the [W/T] button to select the desired setting and press the [OK] button.**
  ◆ There are several photo file sizes, such as 2400X1800, 1600x1200, 1024x768 and 640x480.

**6. Press the [MENU] button to finish setting.**
  ◆ The selected photo file size is displayed on the LCD monitor.
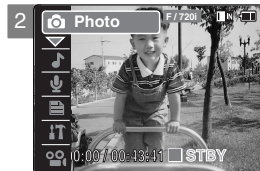
Notes

❖ If you select <◀> in the menu, the previous menu appears.
❖ The size of 2400X1800 is created by Linear Interpolation, so the quality of the image would be worse than 4MB pixel.

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ENGLISH

# Photo Mode : Setting Various Functions

## Setting the Flash

The Flash only works in Photo Mode and allows the user to take photographs in dark places such as during the night, shaded or dark areas and indoors.

**1. Move [POWER/MODE Selector] down to turn on the CAM.**
- ◆ The Video Record screen appears.

**2. Move [POWER/MODE Selector] down again to select *Photo* mode and press the [OK] button.**
- ◆ The system is automatically converted into the selected mode in two seconds even when the [OK] button is not pressed.
- ◆ The Photo Capture screen appears.

**3. Press the [MENU] button.**

**4. Move the [W/T] button to select <Flash> and press the [▶] button.**

**5. Move the [W/T] button to select the desired setting and press the [OK] button.**
- ◆ **Auto**: Set the flash automatically.
- ◆ **On(⚡)**: Turn on the flash.
- ◆ **Off(⚙)**: Turn off the flash.

**6. Press the [MENU] button to finish setting.**
- ◆ The icon of selected function is displayed.
- ◆ If you select <Auto>, no icon is displayed.

#### Notes

✤ If you select <◀> in the menu, the previous menu appears.
✤ If the battery is low and the battery charge icon blinks, flash will not operate and flash icon is set to off state.

# **Photo Mode : Setting Various Functions**

## *Setting the Focus*

You can set the focus depending on the subject or the environment.
In most situations, you can record the best photo using AF(Auto Focus).

**1. Move [POWER/MODE Selector] down to turn on the CAM.**
   ◆ The Video Record screen appears.
**2. Move [POWER/MODE Selector] down again to select *Photo* mode and press the [OK] button.**
   ◆ The system is automatically converted into the selected mode in two seconds even when the [OK] button is not pressed.
   ◆ The Photo Capture screen appears.
**3. Press the [MENU] button.**
**4. Move the [W/T] button to select <Focus> and press the [▶] button.**
**5. Move the [W/T] button to select the desired setting and press the [OK] button.**
   ◆ **AF**: Set the focus automatically. When the CAM turns on, AF is selected in default.
   ◆ **MF( )**: Set the focus manually.
**6. Press the [MENU] button to finish setting.**
   ◆ The icon of selected function is displayed.
   ◆ If you select the AF, no icon is displayed.

### **Manual Focus**

**Adjust the focus using MF [ + ]/ [ − ] button to zoom in or out manually.**
   ◆ When a picture contains object that are both close and far away from the CAM.
   ◆ When a person is enveloped in fog or surrounded by snow.

Notes

✤ If you select <◀> in the menu, the previous menu appears.
✤ Changes in the set-up made in the Video mode are all retained in the Photo mode.
✤ The focus is set to AF mode automatically when the CAM is turned off.

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# Photo Mode : Setting Various Functions

## Setting the White Balance

The White Balance may vary depending on the lighting conditions.
The White Balance is used to preserve natural colors under different lighting conditions.

**1. Move [POWER/MODE Selector] down to turn on the CAM.**
◆ The Video Record screen appears.

**2. Move [POWER/MODE Selector] down again to select *Photo* mode and press the [OK] button.**
◆ The system is automatically converted into the selected mode in two seconds even when the [OK] button is not pressed.
◆ The Photo Capture screen appears.

**3. Press the [MENU] button.**

**4. Move the [W/T] button to select <White Balance> and press the [▶] button.**

**5. Move the [W/T] button to select the desired setting and press the [OK] button.**
◆ **Auto**: Adjust the color depending on the condition automatically.
◆ **Hold( ⬛ )**: Record with first selected color without adjusting color.
◆ **Outdoor( ☼ )**: Record with the balanced light. (Natural light)
◆ **Indoor( ☀ )**: Record with the balanced light. (Glow lamp, light in the studio or video light)

**6. Press the [MENU] button to finish setting.**
◆ The icon of selected function is displayed.
◆ If you select <Auto>, no icon is displayed.

Notes

❖ If you select <◀> in the menu, the previous menu appears.
❖ Changes in the set-up made in the Video mode are all retained in the Photo mode.

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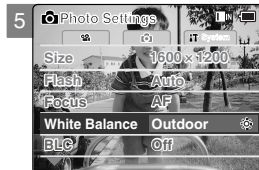
# Photo Mode : Setting Various Functions

## *Setting the BLC (Backlight Compensation)*

The Backlight Compensation function helps to make the subject brighter when the subject is in front of a window or the subject is too dark to distinguish. You can use this function when using the CAM in the bright backgrounds including snow scenes.

**1. Move [POWER/MODE Selector] down to turn on the CAM.**
◆ The Video Record screen appears.

**2. Move [POWER/MODE Selector] down again to select *Photo* mode and press the [OK] button.**
◆ The system is automatically converted into the selected mode in two seconds even when the [OK] button is not pressed.
◆ The Photo Capture screen appears.

**3. Press the [MENU] button.**

**4. Move the [W/T] button to select <BLC> and press the [▶] button.**

**5. Move the [W/T] button to select the desired setting and press the [OK] button.**
◆ **On(ᗷ⌷ᘓ )**: Set the BLC function.
◆ **Off**: Cancel the BLC function.

**6. Press the [MENU] button to finish setting.**
◆ < ᗷ⌷ᘓ > is displayed.
◆ If you select <Off>, < ᗷ⌷ᘓ > is not displayed.

Notes

✤ If you select <◀> in the menu, the previous menu appears.
✤ Changes in the set-up made in the Video mode are all retained in the Photo mode.
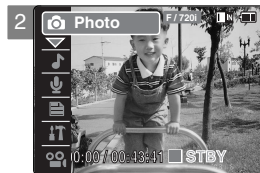✤ < ᗷ⌷ᘓ > is set to Off when the CAM is turned off.

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# Photo Mode : Setting Various Functions

## *Setting the Backlight Auto Control*

This function enables to save power consumption by control the brightness of LCD monitor automatically in outdoor.

**1. Move [POWER/MODE Selector] down to turn on the CAM.**
◆ The Video Record screen appears.

**2. Move [POWER/MODE Selector] down again to select *Photo* mode and press the [OK] button.**
◆ The system is automatically converted into the selected mode in two seconds even when the [OK] button is not pressed.
◆ The Photo Capture screen appears.

**3. Press the [MENU] button.**

**4. Move the [W/T] button to select <B.L. Auto Ctl> and press the [▶] button.**

**5. Move the [W/T] button to select the desired setting and press the [OK] button.**
◆ **On**: Set the B.L. Auto Ctl function.
◆ **Off**: Cancel the B.L. Auto Ctl function.

**6. Press the [MENU] button to finish setting.**

Notes

✢ If you select <◀> in the menu, the previous menu appears.
✢ The captured photo file is not affected by Backlight Auto Control function.

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# 3 MP3 / Voice Recorder Mode / Using File Browser

# MP3 Mode : Storing Music in the CAM

## Copying Music files to the CAM

You can transfer music files from your PC to the internal memory, SD, MMC, Memory Stick or Memory Stick Pro. For copying music files, the CAM must be connected to your PC with the USB cable. You can also transfer music files from Memory card to CAM directly.

1. **Connect the CAM to a PC with the USB cable. (Refer to page 106)**
   - ◆ Your computer recognizes this device and the symbol for removable drive will appear in 'My Computer'.

2. **Move [POWER/MODE Selector] down turn on the CAM.**
   - ◆ The USB Mode screen appears.

3. **Move the [W/T] button to select <Mass Storage> and press the [OK] button.**

4. **Double-click the new removable drive to open.**

5. **Select the MP3 folder and double-click to enter.**

6. **Copy the MP3 file you want from PC to the CAM.**
   - ◆ Refer to the folder structure on page 29 for copying MP3 files.
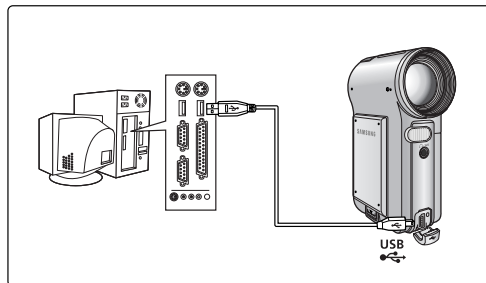
### Disconnecting USB Connection

After completing the data transfer, you must disconnect the cable in the following way.
1. Select the removable disk icon and click the right mouse button to select 'Safely Remove Hardware'.
2. Select 'Stop' and disconnect the USB cable when the pop-up screen disappears.

#### Note

✤ The way of transferring, playing with the Memory Card is same as that of internal memory.

# MP3 Mode : Playing

## *Playing Music files*

You can hear the music file in internal memory or external memory(Memory Card).

**1. Connect the earphones to the CAM.**
◆ You can also hear the music from the Built-in speaker without the earphones.
**2. Move [POWER/MODE Selector] down to turn on the CAM.**
◆ The Video Record screen appears.
**3. Move [POWER/MODE Selector] down again to select *MP3* mode and press the [OK] button.**
◆ The system is automatically converted into the selected mode in two seconds even when the [OK] button is not pressed.
◆ The music list appears.
**4. Move the [W/T] button to find the music you want to hear and press the [OK] button.**
◆ The selected music is played.
**5. Press the [OK] button again to stop hearing music.**
◆ Each time you press the [OK] button, play or pause is selected repeatedly.

### The use of [◀/▶] button

✤ **Press the [◀] button**
Within 2 seconds after starting playback - Previous file plays.
2 seconds after starting playback - Current file starts again.
✤ **Press the [▶] button**
The next file appears.

Notes

✤ '----' is displayed depending on the title of MP3 file.
✤ In MP3 playback mode, a file name may not be displayed correctly.
In this case, rename the file name using English alphabets only.

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2  ᗾ Video Record   F / 720i
   00:00:16 / 00:13:25   STBY

3  ♪ MP3   F / 720i
   00:00 / 00:13:41   STBY

4  ♪ MP3 Play
   📁 Music
   ♪ I believe I can fly.mp3
   ♪ black or white.mp3
   ♪ Let it be.mp3
   ♪ What a wonderful world.mp3

5  ♪ MP3 Play
   I believe I can fly.mp3
   Stereo 44.1KHz 128Kbps
   00:00:34 / 00:03:46 ▐▐

ENGLISH
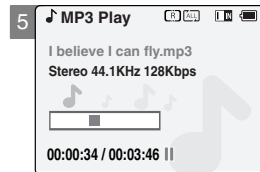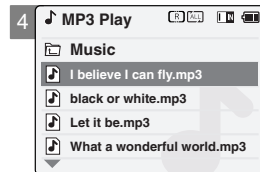
# MP3 Mode : Selecting Play Options

## *Setting Repeat Play*

You can play the only one or all music repeatedly.

**1. Connect the earphones to the CAM.**
   ◆ You can also hear the music from the Built-in speaker without the earphones.

**2. Move [POWER/MODE Selector] down to turn on the CAM.**
   ◆ The Video Record screen appears.

**3. Move [POWER/MODE Selector] down again to select *MP3* mode and press the [OK] button.**
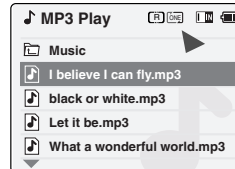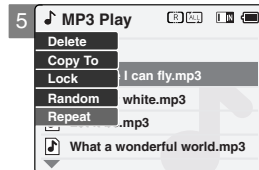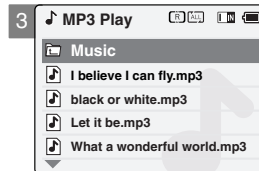   ◆ The system is automatically converted into the selected mode in two seconds even when the [OK] button is not pressed.
   ◆ The music list appears.

**4. Move the [W/T] button to select a MP3 file want to repeat.**

**5. Press the [MENU] button. Move the [W/T] button to select <Repeat > and press the [OK] button.**

**6. Move the [W/T] button to select desired setting and press the [OK] button.**
   ◆ **No**: Cancel the Repeat Play function.
   ◆ **One**: One file is repeated.
   ◆ **All**: All files are repeated.

**7. Press the [MENU] button to finish setting.**
   ◆ The icon of the selected Repeat Play setting is displayed on the LCD monitor.
     If you select <No>, no icon is displayed.

Note

✤ If you select <◀ > in the menu, the previous menu appears.

3  ♪ MP3 Play
📁 **Music**
🎵 I believe I can fly.mp3
🎵 black or white.mp3
🎵 Let it be.mp3
🎵 What a wonderful world.mp3

5  ♪ MP3 Play
Delete
Copy To
Lock          I can fly.mp3
Random    white.mp3
Repeat      .mp3
🎵 What a wonderful world.mp3

6  ♪ MP3 Play
Are you sure you want to repeat play?
No
One
All

♪ MP3 Play
📁 Music
🎵 I believe I can fly.mp3
🎵 black or white.mp3
🎵 Let it be.mp3
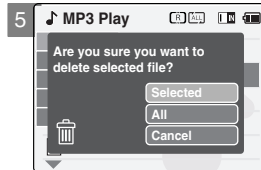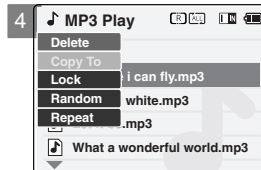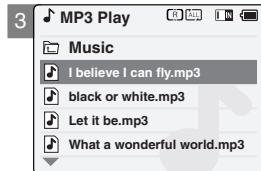🎵 What a wonderful world.mp3

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# MP3 Mode : Selecting File Options

## *Deleting Music files*

You can delete the music file you want.

**1. Move [POWER/MODE Selector] down to turn on the CAM.**
   ◆ The Video Record screen appears.

**2. Move [POWER/MODE Selector] down again to select *MP3* mode and press the [OK] button.**
   ◆ The system is automatically converted into the selected mode in two seconds even when the [OK] button is not pressed.
   ◆ The music list appears.

**3. Move the [W/T] button to select a MP3 file you want to delete.**

**4. Press the [MENU] button. Move the [W/T] button to select <Delete> and press the [OK] button.**

**5. Move the [W/T] button to select the followings and press the [OK] button.**
   ◆ **Selected**: The selected music file is deleted.
   ◆ **All**: All music files are deleted.
   ◆ **Cancel**: Cancel deleting music files.

Notes

✜ If you select <◄> in the menu, the previous menu appears.
✜ The locked file can not be deleted.

2
♪ MP3
F / 720i
🎤
🔅
↕T
⚏
📷 0:00 / 00:43:41 ⬛ STBY

3
♪ MP3 Play
📁 Music
🎵 I believe I can fly.mp3
🎵 black or white.mp3
🎵 Let it be.mp3
🎵 What a wonderful world.mp3

4
♪ MP3 Play
Delete
Copy To
Lock
Random
Repeat
i can fly.mp3
white.mp3
.mp3
🎵 What a wonderful world.mp3

5
♪ MP3 Play
Are you sure you want to delete selected file?
🗑
Selected
All
Cancel

# MP3 Mode : Selecting File Options

## *Locking Music files*

You can lock the important music file not to be deleted.

**1. Move [POWER/MODE Selector] down to turn on the CAM.**
   ◆ The Video Record screen appears.

**2. Move [POWER/MODE Selector] down again to select *MP3* mode and press the [OK] button.**
   ◆ The system is automatically converted into the selected mode in two seconds even when the [OK] button is not pressed.
   ◆ The music list appears.

**3. Move the [W/T] button to select a MP3 file you want to lock.**

**4. Press the [MENU] button.**
   **Move the [W/T] button to select <Lock> and press the [OK] button.**

**5. Move the [W/T] button to select the followings and press the [OK] button.**
   ◆ **Selected**: The selected music file is locked.
   ◆ **All**: All music files are locked.
   ◆ **Cancel**: Cancel locking music files.

Notes

✜ If you select <◀> in the menu, the previous menu appears.
✜ The < 🔒 > icon is displayed on the locked file.

**2**
♪ **MP3**   F / 720i   IN
🎤
🔅
🎚️
📷  0:00/ 00:43:41   STBY

**3**
♪ MP3 Play
📁 **Music**
♪ **I believe I can fly.mp3**
♪ **black or white.mp3**
♪ **Let it be.mp3**
♪ **What a wonderful world.mp3**

**4**
♪ MP3 Play
Delete
Copy To
**Lock**      I can fly.mp3
Random   white.mp3
Repeat    .mp3
♪ What a wonderful world.mp3

**5**
♪ MP3 Play
Choose the file(s) you would like to lock.
🔒
Selected
All
Cancel

# MP3 Mode : Selecting File Options

## *Copying Music files*

You can copy the music file to the internal or external memory.
Insert the Memory Card into the MULTI CARD slot.

**1. Move [POWER/MODE Selector] down to turn on the CAM.**
  ◆ The Video Record screen appears.

**2. Move [POWER/MODE Selector] down again to select *MP3* mode and press the [OK] button.**
  ◆ The system is automatically converted into the selected mode in two seconds even when the [OK] button is not pressed.
  ◆ The music list appears.

**3. Move the [W/T] button to select a MP3 file you want to copy.**

**4. Press the [MENU] button. Move the [W/T] button to select <Copy To> and press the [OK] button.**
  ◆ If you selected the Storage type 'External', the file is copied to 'Internal' and vice versa.

**5. Move the [W/T] button to select the followings and press the [OK] button.**
  ◆ **Selected**: Copy the selected music file.
  ◆ **All**: Copy all music files.
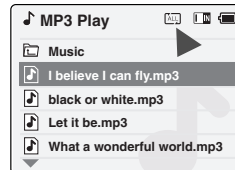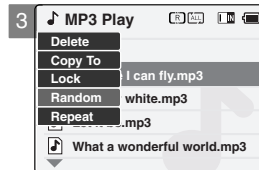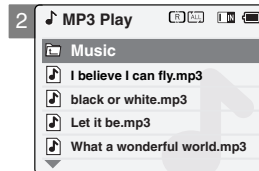  ◆ **Cancel**: Cancel copying music files.
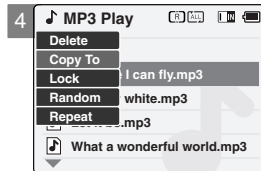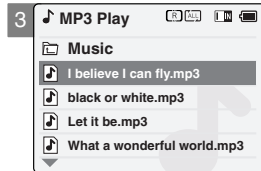
### Notes

✤ If you select <◄> in the menu, the previous menu appears.
✤ When copying, make sure to check the Storage Type. (Refer to page 32.)
✤ The Storage Type is set to <Internal> by default.

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2
♪ **MP3**                    F / 720i
0:00/00:43:41  STBY

3
♪ MP3 Play
📁 **Music**
♪ **I believe I can fly.mp3**
♪ black or white.mp3
♪ Let it be.mp3
♪ What a wonderful world.mp3

4
♪ MP3 Play
Delete
Copy To
Lock          I can fly.mp3
Random        white.mp3
Repeat
              be.mp3
♪ What a wonderful world.mp3

5
♪ MP3 Play
Choose the file(s) to copy
to External memory?
              Selected
              All
              Cancel

# MP3 Mode : Selecting File Options

## *Setting Random Play*

You can play the music files at random.

**1. Move [POWER/MODE Selector] down to turn on the CAM.**
◆ The Video Record screen appears.

**2. Move [POWER/MODE Selector] down again to select *MP3* mode and press the [OK] button.**
◆ The system is automatically converted into the selected mode in two seconds even when the [OK] button is not pressed.
◆ The music list appears.

**3. Press the [MENU] button.
Move the [W/T] button to select <Random> and press the [OK] button.**

**4. Move the [W/T] button to select the desired setting, and press the [OK] button.**
◆ **Yes:** Set the Random Play Function.
◆ **No:** Cancel the Random Play Function.

2
♪ **MP3 Play**
📁 **Music**
♪ **I believe I can fly.mp3**
♪ **black or white.mp3**
♪ **Let it be.mp3**
♪ **What a wonderful world.mp3**

3
♪ **MP3 Play**
**Delete**
**Copy To** **I can fly.mp3**
**Lock**
**Random** white.mp3
**Repeat** .mp3
♪ **What a wonderful world.mp3**

4
♪ **MP3 Play**
**Are you sure want to random play?**
**Yes**
**No**

♪ **MP3 Play**
📁 **Music**
♪ **I believe I can fly.mp3**
♪ **black or white.mp3**
♪ **Let it be.mp3**
♪ **What a wonderful world.mp3**

# Voice Recorder Mode : Recording

## *Recording Voice*

You can record voice using the built-in microphone in the CAM.

**1. Move [POWER/MODE Selector] down to turn on the CAM.**
   ◆ The Video Record screen appears.

**2. Move [POWER/MODE Selector] down again to select *Voice Recorder* mode and press the [OK] button.**
   ◆ The system is automatically converted into the selected mode in two seconds even when the [OK] button is not pressed.
   ◆ The Voice Record screen appears.

**3. Press the [Record/Stop] button to record voice.**
   ◆ The elapsed time and <● **REC**> is displayed. It starts recording.

**4. Press the [Record/Stop] button to stop recording voice.**
   ◆ <■ **STBY**> is displayed and it stops recording.
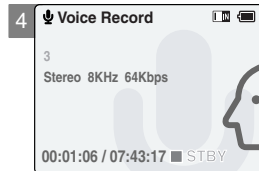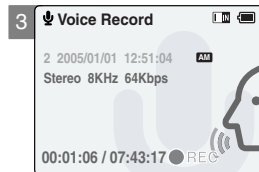
# Voice Recorder Mode : Playing

## Playing Voice files

You can hear the voice file using the built-in speaker or connecting earphones.

**1. Move [POWER/MODE Selector] down to turn on the CAM.**
◆ The Video Record screen appears.

**2. Move [POWER/MODE Selector] down again to select *Voice Recorder* mode and press the [OK] button.**
◆ The system is automatically converted into the selected mode in two seconds even when the [OK] button is not pressed.
◆ The Voice Record screen appears.

**3. Press the [OK] button.**
◆ The voice file list appears.

**4. Move the [W/T] button to select a voice file you want to play.**

**5. Press the [OK] button to play the recorded voice.**
◆ Press the [OK] button to pause playing.

#### The button you use when playing the recorded voice file

[OK] button: Play or pause the voice file
[◄] button : Reverse searching / Move to previous file
[►] button : Forward searching / Move to next file

# Voice Recorder Mode : Selecting File Options

## *Deleting Voice files*

You can delete voice files you want.

**1. Move [POWER/MODE Selector] down to turn on the CAM.**
   ◆ The Video Record screen appears.

**2. Move [POWER/MODE Selector] down again to select *Voice Recorder* mode and press the [OK] button.**
   ◆ The system is automatically converted into the selected mode in two seconds even when the [OK] button is not pressed.
   ◆ The Voice Record screen appears.

**3. Press the [OK] button.**
   ◆ The voice file list appears.

**4. Move the [W/T] button to select a voice file you want to delete.**

**5. Press the [MENU] button.**
   **Move the [W/T] button to select <Delete> and press the [OK] button.**

**6. Move the [W/T] button to select the followings and press the [OK] button.**
   ◆ **Selected**: The selected voice file is deleted.
   ◆ **All**: All voice files are deleted.
   ◆ **Cancel**: Cancel deleting voice files.
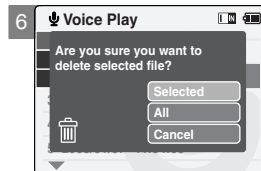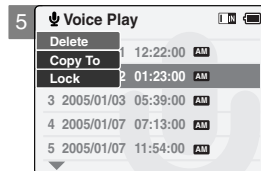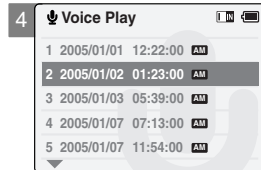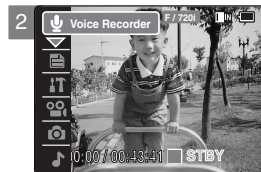
Notes

✤ If you select <◄> in the menu, the previous menu appears.
✤ The locked file can not be deleted.

2
| Voice Recorder | F / 720i |
| 0:00/00:43:41 | STBY |

4 **Voice Play**
1 2005/01/01 12:22:00 AM
2 2005/01/02 01:23:00 AM
3 2005/01/03 05:39:00 AM
4 2005/01/07 07:13:00 AM
5 2005/01/07 11:54:00 AM

5 **Voice Play**
Delete
Copy To 1 12:22:00 AM
Lock 2 01:23:00 AM
3 2005/01/03 05:39:00 AM
4 2005/01/07 07:13:00 AM
5 2005/01/07 11:54:00 AM

6 **Voice Play**
Are you sure you want to delete selected file?
Selected
All
Cancel

**82**

# Voice Recorder Mode : Selecting File Options

## *Locking Voice files*

You can lock the important voice file not to be deleted.

**1. Move [POWER/MODE Selector] down to turn on the CAM.**
   ◆ The Video Record screen appears.

**2. Move [POWER/MODE Selector] down again to select *Voice Recorder* mode and press the [OK] button.**
   ◆ The system is automatically converted into the selected mode in two seconds even when the [OK] button is not pressed.
   ◆ The Voice Record screen appears.

**3. Press the [OK] button.**
   ◆ The voice file list appears.

**4. Move the [W/T] button to select a voice file you want to lock.**

**5. Press the [MENU] button.**
   **Move the [W/T] button to select <Lock> and press the [OK] button.**

**6. Move the [W/T] button to select the followings and press the [OK] button.**
   ◆ **Selected**: The selected voice file is locked.
   ◆ **All**: All voice files are locked.
   ◆ **Cancel**: Cancel locking voice files.

Notes

✤ If you select <◄ > in the menu, the previous menu appears.

✤ The < 🔒 > icon is displayed on the locked file.

**83**

# Voice Recorder Mode : Selecting File Options

## *Copying Voice files*

You can copy the voice file to the internal or external memory.

**1. Move [POWER/MODE Selector] down to turn on the CAM.**
   ◆ The Video Record screen appears.

**2. Move [POWER/MODE Selector] down again to select *Voice Recorder* mode and press the [OK] button.**
   ◆ The system is automatically converted into the selected mode in two seconds even when the [OK] button is not pressed.
   ◆ The Voice Record screen appears.

**3. Press the [OK] button.**
   ◆ The voice file list appears.

**4. Move the [W/T] button to select a voice file you want to copy.**

**5. Press the [MENU] button.**
   **Move the [W/T] button to select <Copy To> and press the [OK] button.**
   ◆ If you selected the Storage type 'External', the file is copied to 'Internal' and vice versa.

**6. Move the [W/T] button to select the followings and press the [OK] button.**
   ◆ **Selected**: Copy the selected voice file.
   ◆ **All**: Copy all voice files.
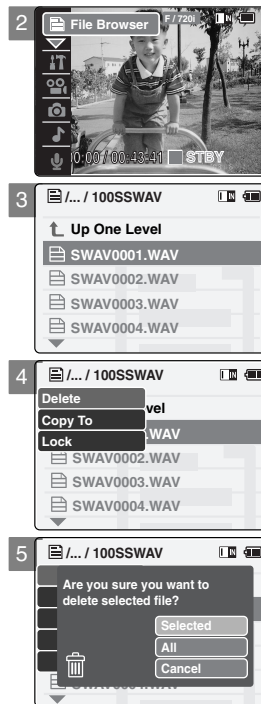   ◆ **Cancel**: Cancel copying voice files.
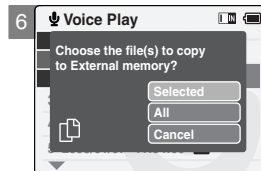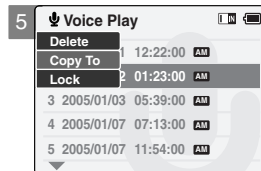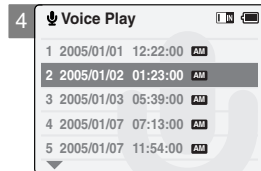
Note

✛ If you select <◀> in the menu, the previous menu appears.
✛ If the Memory Card is not inserted, you cannot select <Copy To>.

**84**

# Using File Browser

## Deleting Files or Folders

You can delete the file(AVI, MP3, JPG, WAV) or folders you recorded.

**1. Move [POWER/MODE Selector] down to turn on the CAM.**
   ◆ The Video Record screen appears.

**2. Move [POWER/MODE Selector] down again to select *File Browser* mode and press the [OK] button.**
   ◆ The system is automatically converted into the selected mode in two seconds even when the [OK] button is not pressed.
   ◆ The File Browser screen appears.

**3. Move the [W/T] button to select the folder or the file you want to delete. Press the [OK] button.**
   ◆ Press the [MENU] button if you want to delete the selected folder.
   ◆ Perform these steps repeatedly until the file you want to delete appears.

**4. Press the [MENU] button.**
   **Move the [W/T] button to select <Delete> and press the [OK] button.**

**5. Move the [W/T] button to select the setting you want.**
   **Press the [OK] button.**
   ◆ **Selected**: The selected file is deleted.
   ◆ **All**: All files are deleted.
   ◆ **Cancel**: Cancel deleting files.

Note

✤ If you select <◀> in the menu, the previous menu appears.

2

| File Browser | F / 720i |
|---|---|

0:00 / 00:43:41 ▯STBY

3

☰ /... / 100SSWAV

↰ **Up One Level**
🗋 **SWAV0001.WAV**
🗋 SWAV0002.WAV
🗋 SWAV0003.WAV
🗋 SWAV0004.WAV

4

☰ /... / 100SSWAV

**Delete**
**Copy To** ▮▮vel
**Lock** .WAV
🗋 SWAV0002.WAV
🗋 SWAV0003.WAV
🗋 SWAV0004.WAV

5

☰ /... / 100SSWAV

**Are you sure you want to delete selected file?**

🗑 | **Selected**
**All**
**Cancel**

**85**

# Using File Browser

## *Locking Files*

You can lock the important files not to be deleted.

**1. Move [POWER/MODE Selector] down to turn on the CAM.**
   ◆ The Video Record screen appears.

**2. Move [POWER/MODE Selector] down again to select *File Browser* mode and press the [OK] button.**
   ◆ The system is automatically converted into the selected mode in two seconds even when the [OK] button is not pressed.
   ◆ The File Browser screen appears.

**3. Move the [W/T] button to select the file you want to lock. Press the [OK] button.**
   ◆ Perform these steps repeatedly until the file you want to lock appears.

**4. Press the [MENU] button. Move the [W/T] button to select <Lock> and press the [OK] button.**

**5. Move the [W/T] button to select the followings. Press the [OK] button.**
   ◆ **Selected**: The selected file is locked.
   ◆ **All**: All files are locked.
   ◆ **Cancel**: Cancel locking files.
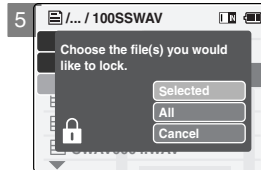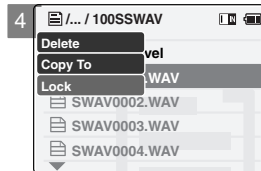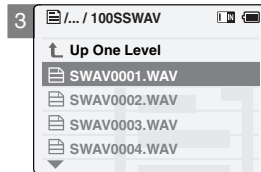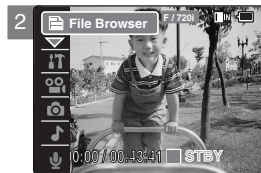
Notes

✤ If you select <◄> in the menu, the previous menu appears.
✤ You can't lock folders.
✤ The < 🔒 > icon is displayed on the locked file.

**86**

2 | **File Browser** **F / 720i**
0:00/00:43:41 STBY

3 | **/... / 100SSWAV**
⬆ Up One Level
SWAV0001.WAV
SWAV0002.WAV
SWAV0003.WAV
SWAV0004.WAV

4 | **/... / 100SSWAV**
Delete
Copy To **vel**
Lock **WAV**
SWAV0002.WAV
SWAV0003.WAV
SWAV0004.WAV

5 | **/... / 100SSWAV**
Choose the file(s) you would like to lock.
Selected
All
Cancel

# Using File Browser

## *Copying Files or Folders*

You can copy the file or folder to the internal or external memory.

**1. Move [POWER/MODE Selector] down to turn on the CAM.**
◆ The Video Record screen appears.

**2. Move [POWER/MODE Selector] down again to select *File Browser* mode and press the [OK] button.**
◆ The system is automatically converted into the selected mode in two seconds even when the [OK] button is not pressed.
◆ The File Browser screen appears.

**3. Move the [W/T] button to select the file or the folder you want to copy. Press the [OK] button.**
◆ Press the [MENU] button if you want to copy the selected folder.
◆ Perform these steps repeatedly until the file you want to copy appears.

**4. Press the [MENU] button.**
**Move the [W/T] button to select <Copy To> and press the [OK] button.**
◆ If you selected the Storage type 'External', the file is copied to 'Internal' and vice versa.

**5. Move the [W/T] button to select the followings. Press the [OK] button.**
◆ **Selected**: Copy the selected file.
◆ **All**: Copy all files.
◆ **Cancel**: Cancel copying files.
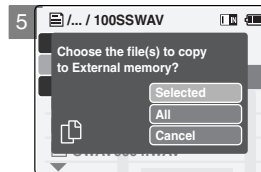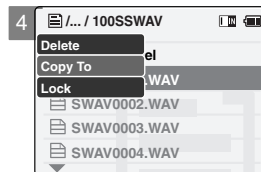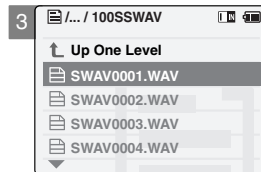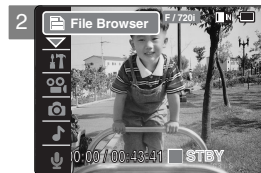
Notes

✤ If you select <◄> in the menu, the previous menu appears.
✤ When copying, make sure to check the Storage Type. (Refer to page 32.)
✤ The Storage Type is set to <Internal> by default.

**2**

**File Browser** F / 720i

0:00 / 00:43:41 STBY

**3**

**/... / 100SSWAV**

↑ Up One Level
SWAV0001.WAV
SWAV0002.WAV
SWAV0003.WAV
SWAV0004.WAV

**4**

**/... / 100SSWAV**

Delete
Copy To .WAV
Lock
SWAV0002.WAV
SWAV0003.WAV
SWAV0004.WAV

**5**

**/... / 100SSWAV**

Choose the file(s) to copy
to External memory?

Selected
All
Cancel

# Using File Browser

## *Viewing File Information*

You can see the file name, format, size and date.

**1. Move [POWER/MODE Selector] down to turn on the CAM.**
◆ The Video Record screen appears.

**2. Move [POWER/MODE Selector] down again to select *File Browser* mode and press the [OK] button.**
◆ The system is automatically converted into the selected mode in two seconds even when the [OK] button is not pressed.
◆ The File Browser screen appears.

**3. Move the [W/T] button to select the file you want to see.**
◆ Perform these steps repeatedly until the file you want to see its file information appears.

**4. Press the [OK] button.**
◆ The screen with file name, format, size, date and locked state appears.

**5. Press the [OK] button to finish viewing file information.**
◆ If you select <Close> in the screen, the screen disappears.
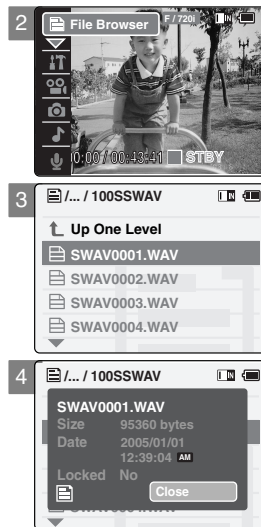
Notes

❈ If you select <◄> in the menu, the previous menu appears.
❈ You cannot view the folder information. You can view only the file information.
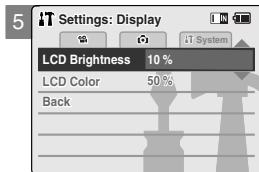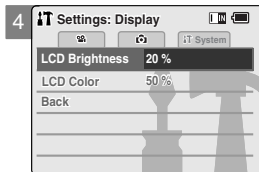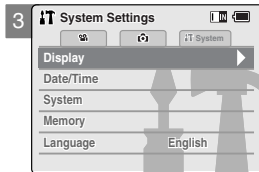
# 4 **Setting the CAM**

# Setting the CAM : Adjusting the LCD Monitor

## *Adjusting the LCD Brightness*

You can adjust the brightness of the LCD monitor to compensate for ambient lighting conditions.

**1. Move [POWER/MODE Selector] down to turn on the CAM.**
   ◆ The Video Record screen appears.

**2. Move [POWER/MODE Selector] down again to select *System Settings* mode and press the [OK] button.**
   ◆ The system is automatically converted into the selected mode in two seconds even when the [OK] button is not pressed.
   ◆ The System Settings menu appears.

**3. Move the [W/T] button to select <Display> and press the [▶] button.**

**4. Move the [W/T] button to select <LCD Brightness> and press the [▶] button.**

**5. Move the [W/T] button to select the brightness you want and press the [OK] button.**
   ◆ You can adjust value for the LCD brightness between 0~100%.

**6. Press the [Record/Stop] button to finish setting.**



2

| **System Settings** F / 720i |
| 0:00:00:43:41 STBY |



3

| **System Settings** |
| Display ▶ |
| Date/Time |
| System |
| Memory |
| Language    English |



4

| **Settings: Display** |
| LCD Brightness  20 % |
| LCD Color       50 % |
| Back |



5

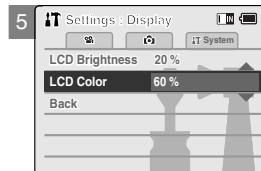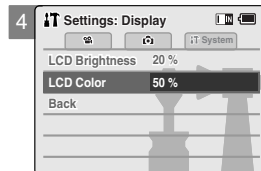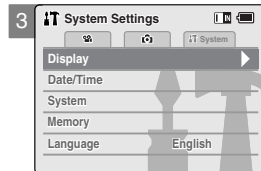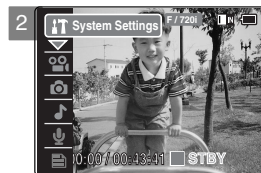| **Settings: Display** |
| LCD Brightness  10 % |
| LCD Color       50 % |
| Back |

Notes

✤ If you select <◀> in the menu, the previous menu appears.
✤ A brighter LCD Monitor setting consumes more battery power.
✤ If it is too bright, adjust the LCD brightness.

**90**

# Setting the CAM : Adjusting the LCD Monitor

## *Adjusting the LCD Color*

You can adjust the color of the LCD monitor depending on the situation.

**1. Move [POWER/MODE Selector] down to turn on the CAM.**
  ◆ The Video Record screen appears.

**2. Move [POWER/MODE Selector] down again to select *System Settings* mode and press the [OK] button.**
  ◆ The system is automatically converted into the selected mode in two seconds even when the [OK] button is not pressed.
  ◆ The System Settings menu appears.

**3. Move the [W/T] button to select <Display> and press the [▶] button.**

**4. Move the [W/T] button to select <LCD Color> and press the [▶] button.**

**5. Move the [W/T] button to select the color you want and press the [OK] button.**
  ◆ You can adjust value for the LCD color between 0~100%.

**6. Press the [Record/Stop] button to finish setting.**

Note

✤ If you select <◀ > in the menu, the previous menu appears.



**2**
**System Settings**
**F / 720**
0:00:00:13:41 **STBY**

**3**
**System Settings**
Display ▶
Date/Time
System
Memory
Language          English

**4**
**Settings: Display**
LCD Brightness   20 %
**LCD Color**      **50 %**
Back

**5**
**Settings : Display**
LCD Brightness   20 %
**LCD Color**      **60 %**
Back

# Setting the CAM : Adjusting Date/Time

### *Setting Time*

The built-in clock creates the time stamp. You can adjust the time you use.

**1. Move [POWER/MODE Selector] down to turn on the CAM.**
◆ The Video Record screen appears.

**2. Move [POWER/MODE Selector] down again to select *System Settings* mode and press the [OK] button.**
◆ The system is automatically converted into the selected mode in two seconds even when the [OK] button is not pressed.
◆ The System Settings menu appears.

**3. Move the [W/T] button to select <Date /Time> and press the [▶] button.**

**4. Move the [W/T] button to select <Set Time> and press the [OK] button.**

**5. Move the [W/T] button to set time and press the [OK] button.**
◆ Move the [W/T] button to change the setting and press the [▶] button to move to the next setting. Press the [OK] button to confirm selection.

**6. Press the [Record/Stop] button to finish setting.**

Notes

✤ If you select <◀> in the menu, the previous menu appears.
✤ Date and Time are recorded information. They are not displayed on the LCD monitor.

**92**
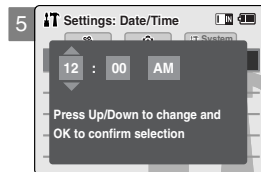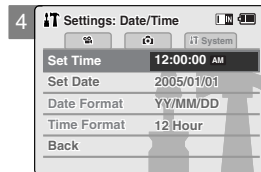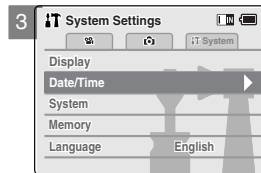
# Setting the CAM : Adjusting Date/Time

## *Setting Date*

The built-in calendar creates the date stamp. You can adjust the date you use.

**1. Move [POWER/MODE Selector] down to turn on the CAM.**
◆ The Video Record screen appears.

**2. Move [POWER/MODE Selector] down again to select *System Settings* mode and press the [OK] button.**
◆ The system is automatically converted into the selected mode in two seconds even when the [OK] button is not pressed.
◆ The System Settings menu appears.

**3. Move the [W/T] button to select <Date /Time> and press the [▶] button.**

**4. Move the [W/T] button to select <Set Date> and press the [OK] button.**

**5. Move the [W/T] button to set date and press the [OK] button.**
◆ Move the [W/T] button to change the setting and press the [▶] button to move to the next setting. Press the [OK] button to confirm selection.

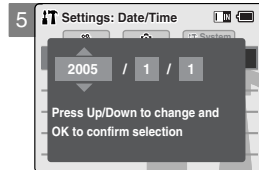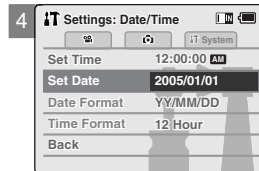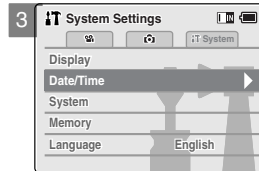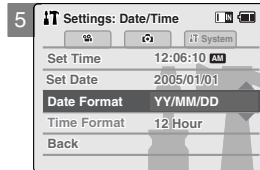**6. Press the [Record/Stop] button to finish setting.**

Notes
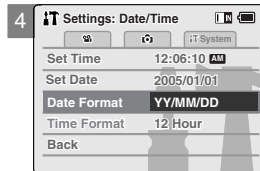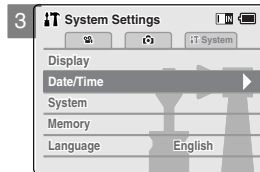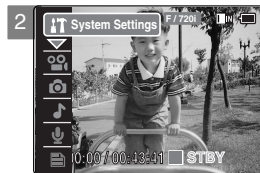
✦ If you select <◀> in the menu, the previous menu appears.
✦ Date and Time are recorded information. They are not displayed on the LCD monitor.
✦ You can set Year up to 2037.



**93**

# Setting the CAM : Adjusting Date/Time

## *Setting Date Format*

You can select the date format to display.

**1. Move [POWER/MODE Selector] down to turn on the CAM.**
   ◆ The Video Record screen appears.

**2. Move [POWER/MODE Selector] down again to select *System Settings* mode and press the [OK] button.**
   ◆ The system is automatically converted into the selected mode in two seconds even when the [OK] button is not pressed.
   ◆ The System Settings menu appears.

**3. Move the [W/T] button to select <Date /Time> and press the [▶] button.**

**4. Move the [W/T] button to select <Date Format> and press the [▶] button.**

**5. Move the [W/T] button to set the desired format and press the [OK] button.**
   ◆ **YY/MM/DD:** The date is displayed in order as Year/Month/Date.
   ◆ **DD/MM/YY:** The date is displayed in order as Date/Month/Year.
   ◆ **MM/DD/YY:** The date is displayed in order as Month/Date/Year.

**6. Press the [Record/Stop] button to finish setting.**

Note

✽ If you select <◀> in the menu, the previous menu appears.

**System Settings** F / 720i
0:00:00:43:41 STBY


**System Settings**
Display
**Date/Time** ▶
System
Memory
Language          English


**Settings: Date/Time**
Set Time          12:06:10
Set Date          2005/01/01
**Date Format     YY/MM/DD**
Time Format      12 Hour
Back


**Settings: Date/Time**
Set Time          12:06:10
Set Date          2005/01/01
**Date Format     YY/MM/DD**
Time Format      12 Hour
Back

# Setting the CAM : Adjusting Date/Time

## *Setting Time Format*

You can select the time format to display.

**1. Move [POWER/MODE Selector] down to turn on the CAM.**
- ◆ The Video Record screen appears.

**2. Move [POWER/MODE Selector] down again to select *System Settings* mode and press the [OK] button.**
- ◆ The system is automatically converted into the selected mode in two seconds even when the [OK] button is not pressed.
- ◆ The System Settings menu appears.

**3. Move the [W/T] button to select <Date /Time> and press the [▶] button.**

**4. Move the [W/T] button to select <Time Format> and press the [▶] button.**

**5. Move the [W/T] button to set the desired format and press the [OK] button.**
- ◆ **12 Hour:** The time is displayed as the unit of 12 hours.
- ◆ **24 Hour:** The time is displayed as the unit of 24 hours.

**6. Press the [Record/Stop] button to finish setting.**
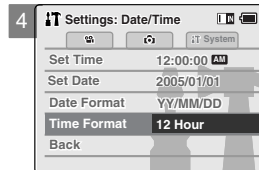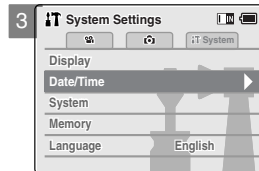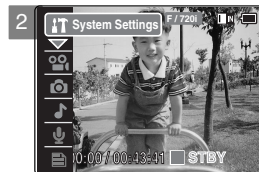
Note
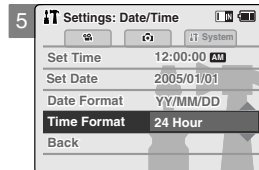
✱ If you select <◀ > in the menu, the previous menu appears.

**95**

## *Setting the Auto Shut off*

To save energy or battery, you can set the Auto Shut off function.

**1. Move [POWER/MODE Selector] down to turn on the CAM.**
   ◆ The Video Record screen appears.

**2. Move [POWER/MODE Selector] down again to select *System Settings* mode and press the [OK] button.**
   ◆ The system is automatically converted into the selected mode in two seconds even when the [OK] button is not pressed.
   ◆ The System Settings menu appears.

**3. Move the [W/T] button to select <System> and press the [▶] button.**

**4. Move the [W/T] button to select <Auto Shut off> and press the [▶] button.**

**5. Move the [W/T] button to set the desired setting and press the [OK] button.**
   ◆ **5 Minutes:** The CAM turns off after 5 minutes.
   ◆ **Off:** Cancel the Auto Shut off function.

**6. Press the [Record/Stop] button to finish setting.**
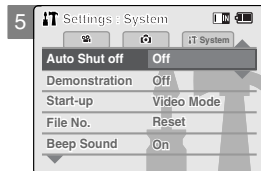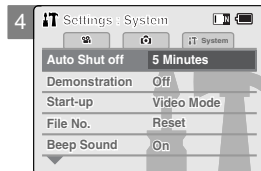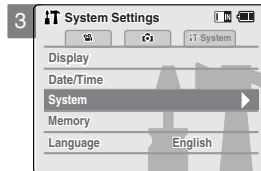
Notes

✤ If you select<◀ > in the menu, the previous menu appears.
✤ The <Auto Shut off> function cannot be operated if you connect the Power Adapter to the CAM.
   It can be only operated when you insert battery pack into the CAM.

**96**

# Setting the CAM : Setting the System

## *Setting the Demonstration Function*

Demonstration function will allow you to view all the functions that the CAM supports. Demonstration will run for up to 5 minutes.

**1. Move [POWER/MODE Selector] down to turn on the CAM.**
   ◆ The Video Record screen appears.

**2. Move [POWER/MODE Selector] down again to select *System Settings* mode and press the [OK] button.**
   ◆ The system is automatically converted into the selected mode in two seconds even when the [OK] button is not pressed.
   ◆ The System Settings menu appears.

**3. Move the [W/T] button to select <System> and press the [▶] button.**

**4. Move the [W/T] button to select <Demonstration> and press the [▶] button.**

**5. Move the [W/T] button to set the desired setting and press the [OK] button.**
   ◆ **Off:** Cancel the Demonstration function.
   ◆ **5 Minutes:** Start the Demonstration function in 5 minutes.
   ◆ **Play Now:** Start the Demonstration function now.

**6. Press the [Record/Stop] button to finish setting.**
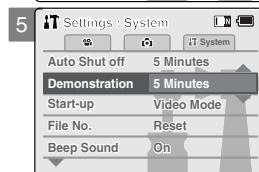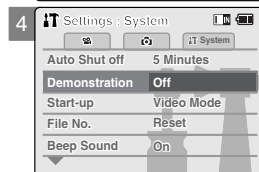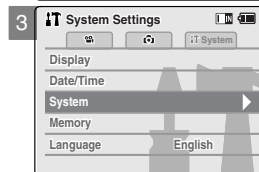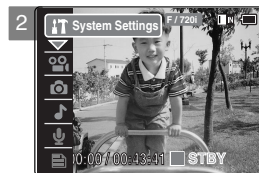
Notes

✤ If you select <◀> in the menu, the previous menu appears.
✤ If you set the Demonstration function, it operates only in Video Record mode.

2
| | |
|---|---|
| **System Settings** | F / 720i |

0:00/00:43:41 STBY

3
**System Settings**
| 🎞 | 🎞 | System |
|---|---|---|

Display
Date/Time
**System** ▶
Memory
Language          English

4
Settings : System
| 🎞 | 🎞 | System |
|---|---|---|

Auto Shut off    5 Minutes
**Demonstration   Off**
Start-up         Video Mode
File No.         Reset
Beep Sound       On

5
Settings : System
| 🎞 | 🎞 | System |
|---|---|---|

Auto Shut off    5 Minutes
**Demonstration   5 Minutes**
Start-up         Video Mode
File No.         Reset
Beep Sound       On

# Setting the CAM : Setting the System

## *Setting Start-up Mode*

You can select the starting mode displayed when you turn the CAM on.

**1. Move [POWER/MODE Selector] down to turn on the CAM.**
   ◆ The Video Record screen appears.

**2. Move [POWER/MODE Selector] down again to select *System Settings* mode and press the [OK] button.**
   ◆ The system is automatically converted into the selected mode in two seconds even when the [OK] button is not pressed.
   ◆ The System Settings menu appears.

**3. Move the [W/T] button to select <System> and press the [▶] button.**

**4. Move the [W/T] button to select <Start-up> and press the [▶] button.**

**5. Move the [W/T] button to set the desired setting and press the [OK] button.**
   ◆ **Video Mode:** The CAM starts up in the Video Mode.
   ◆ **Previous Mode:** The CAM starts up in the mode you used last.

**6. Press the [Record/Stop] button to finish setting.**
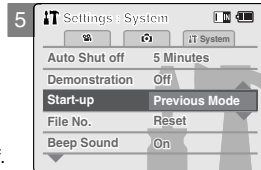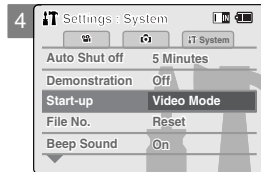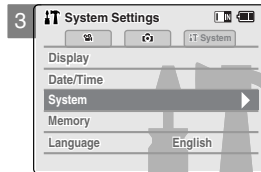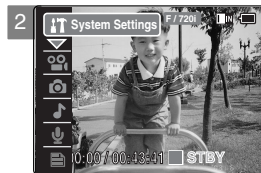
Notes

✛ If you select <◄> in the menu, the previous menu appears.
✛ Make sure that the start-up mode is set to the selected mode when turning on the CAM again after turnoff.

**98**



2

| System Settings | F / 720i |
|---|---|

0:00/00:43:11 STBY



3 **System Settings**

Display
Date/Time
**System** ▶
Memory
Language          English



4 **Settings : System**

Auto Shut off     5 Minutes
Demonstration     Off
**Start-up          Video Mode**
File No.          Reset
Beep Sound        On



5 **Settings : System**

Auto Shut off     5 Minutes
Demonstration     Off
**Start-up          Previous Mode**
File No.          Reset
Beep Sound        On

# Setting the CAM : Setting the System

## *Setting the File No. Function*

You can set the file numbers so that they reset each time Memory Card is formatted, or so that they count up continuously.

**1. Move [POWER/MODE Selector] down to turn on the CAM.**
   ◆ The Video Record screen appears.

**2. Move [POWER/MODE Selector] down again to select *System Settings* mode and press the [OK] button.**
   ◆ The system is automatically converted into the selected mode in two seconds even when the [OK] button is not pressed.
   ◆ The System Settings menu appears.

**3. Move the [W/T] button to select <System> and press the [▶] button.**

**4. Move the [W/T] button to select <File No.> and press the [▶] button.**

**5. Move the [W/T] button to select the desired setting and press the [OK] button.**
   ◆ **Reset**: When the Memory Card is formatted, the file number resets to its default value. (100-0001)
   ◆ **Series**: Numbering is continuous between the Memory Cards, so that the first file number assigned on a new Memory Card is 1 more than the last file number assigned on the previous Memory Card.

**6. Press the [Record/stop] button to finish setting.**

Notes

❖ If you select <◀> in the menu, the previous menu appears.
❖ When you set file number to 'Series', each file is assigned a different number avoiding duplication of numbers. It is convenient when you want to manage your files on a PC.

**99**
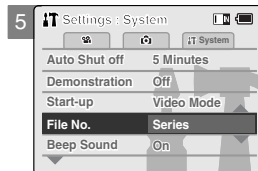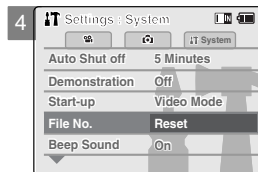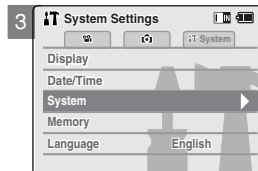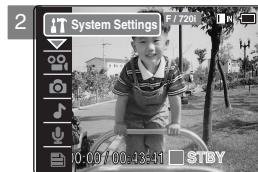
# Setting the CAM : Setting the System

## *Setting the Beep Sound*

You can set the beep sound on/off. When on, a beep will sound every time a button is pressed.

**1. Move [POWER/MODE Selector] down to turn on the CAM.**
   ◆ The Video Record screen appears.

**2. Move [POWER/MODE Selector] down again to select *System Settings* mode and press the [OK] button.**
   ◆ The system is automatically converted into the selected mode in two seconds even when the [OK] button is not pressed.
   ◆ The System Settings menu appears.

**3. Move the [W/T] button to select <System> and press the [▶] button.**

**4. Move the [W/T] button to select <Beep Sound> and press the [▶] button.**

**5. Move the [W/T] button to select the desired sound and press the [OK] button.**
   ◆ **On:** Turn the beep sound on.
   ◆ **Off:** Turn the beep sound off.

**6. Press the [Record/stop] button to finish setting.**

| 2 | System Settings | F / 720i | IN |
|---|---|---|---|
| | 0:00 / 00:13:41 | STBY | |

| 3 | System Settings | IN |
|---|---|---|
| | Display | |
| | Date/Time | |
| | **System** | ▶ |
| | Memory | |
| | Language | English |

| 4 | Settings : System | IN |
|---|---|---|
| | Auto Shut off | 5 Minutes |
| | Demonstration | Off |
| | Start-up | Video Mode |
| | File No. | Reset |
| | **Beep Sound** | **On** |

| 5 | Settings : System | IN |
|---|---|---|
| | Auto Shut off | 5 Minutes |
| | Demonstration | Off |
| | Start-up | Video Mode |
| | File No. | Reset |
| | **Beep Sound** | **Off** |
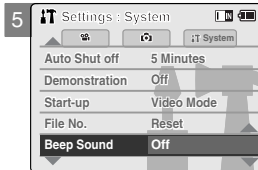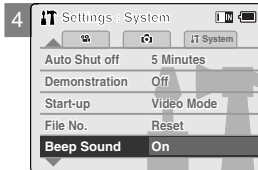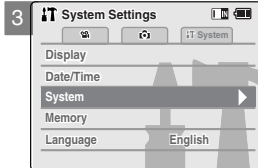
Notes

✤ If you select <◀> in the menu, the previous menu appears.
✤ When the earphones or Audio/Video cable is connected to the CAM, the beep sound function does not operate.

# Setting the CAM : Setting the System

## *Viewing Version Information*

You can see the information of the version.

**1. Move [POWER/MODE Selector] down to turn on the CAM.**
◆ The Video Record screen appears.

**2. Move [POWER/MODE Selector] down again to select *System Settings* mode and press the [OK] button.**
◆ The system is automatically converted into the selected mode in two seconds even when the [OK] button is not pressed.
◆ The System Settings menu appears.

**3. Move the [W/T] button to select <System> and press the [▶] button.**

**4. Move the [W/T] button to select <Version Info> and press the [OK] button.**
◆ The version of the CAM is displayed.

**5. Press the [Record/stop] button to finish viewing version information.**

✽ If you select <◀> in the menu, the previous menu appears.

**System Settings**

0:00/00:43:41  STBY

**System Settings**
Display
Date/Time
System
Memory
Language   English

**Settings : System**
Demonstration   Off
Start-up   Video Mode
File No.   Reset
Beep Sound   On
Version Info

**Settings : System**
Samsung Elec. Co. LTD
PR818S S/W 0.50
Jul 02 2005 20:29:11
Micom 0.39
Jul 01 2005 22:13:27 PR
DSP 0.00   Close

**101**
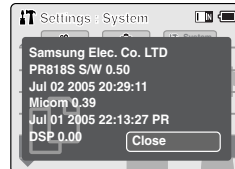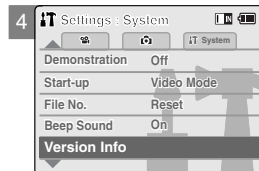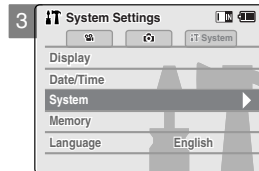
# Setting the CAM : Setting Memory

## *Selecting the Storage Type*

Select the storage type(internal or external memory) before recording or taking pictures.

**1. Move [POWER/MODE Selector] down to turn on the CAM.**
  ◆ The Video Record screen appears.

**2. Move [POWER/MODE Selector] down again to select *System Settings* mode and press the [OK] button.**
  ◆ The system is automatically converted into the selected mode in two seconds even when the [OK] button is not pressed.
  ◆ The System Settings menu appears.

**3. Move the [W/T] button to select <Memory> and press the [▶] button.**
  ◆ If you didn't insert Memory Card, you cannot select 'External'.

**4. Move the [W/T] button to select <Storage Type> and press the [▶] button.**

**5. Move the [W/T] button to select the desired setting and press the [OK] button.**
  ◆ **Internal**: The video, photo, mp3 file or voice file is stored in internal memory.
  ◆ **External**: The video, photo, mp3 file or voice file is stored in external memory Card (SD, MMC, Memory stick or Memory stick pro).
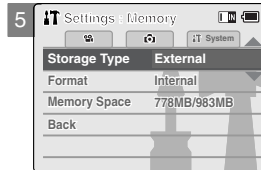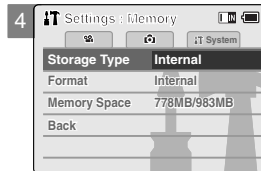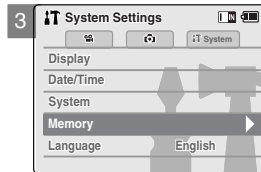
### Notes

✤ If you select <◀> in the menu, the previous menu appears.
✤ 'Internal' is selected by default.
✤ If you insert the Memory Card when the CAM on, the pop-up screen about the memory type selection appears automatically.
✤ If you selected the Storage type 'External', the file is copied to 'Internal' and vice versa.
✤ The maximum recording time and capacity and the number of images is subject to change depending on the media. (Refer to pages 30~31.)

# Setting the CAM : Setting Memory

## *Formatting the Memory*

You can format the internal memory and the external memory to erase all files.

**1. Move [POWER/MODE Selector] down to turn on the CAM.**
   ◆ The Video Record screen appears.
**2. Move [POWER/MODE Selector] down again to select *System Settings* mode and press the [OK] button.**
   ◆ The system is automatically converted into the selected mode in two seconds even when the [OK] button is not pressed.
   ◆ The System Settings menu appears.
**3. Move the [W/T] button to select <Memory> and press the [▶] button.**
**4. Move the [W/T] button to select <Format> and press the [▶] button.**
   ◆ If you didn't insert Memory Card, you cannot select 'External'.
**5. Move the [W/T] button to select the desired setting and press the [OK] button.**
   ◆ **Internal**: Format the internal memory. If you select 'Internal', the message is displayed to confirm.
   ◆ **External**: Format the external memory. If you select 'External', the message is displayed to confirm.
**6. Press the [OK] button to format.**
   ◆ Select <Cancel> to cancel formatting.
**7. Press the [Record/Stop] button to finish setting.**

Notes

✤ If you select <◀> in the menu, the previous menu appears.
✤ No guarantee can be provided to the memory card not formatted on this CAM.
   Make sure to format the memory card on the CAM.
✤ The former information can not be restored after formatting.

**3**
**System Settings**
Display
Date/Time
System
**Memory**
Language          English

**4**
Settings : Memory
Storage Type     Internal
**Format          Internal**
Memory Space     778MB/983MB
Back

**5**
Settings : Memory
Storage Type     Internal
**Format          External**
Memory Space     778MB/983MB
Back

**6**
Settings : Memory
Are you sure you want to format the external memory, all files will be erased?
**OK**
**Cancel**

**103**
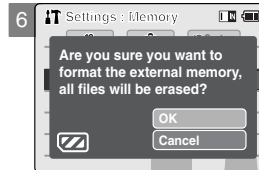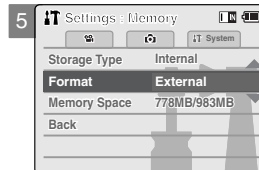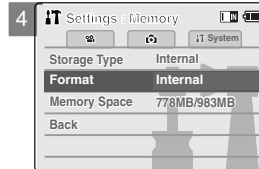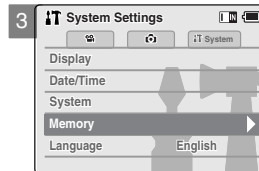
# Setting the CAM : Setting Memory

## *Viewing Memory Space*

You can view usable memory space and total memory space of the CAM.

**1. Move [POWER/MODE Selector] down to turn on the CAM.**
   ◆ The Video Record screen appears.

**2. Move [POWER/MODE Selector] down again to select *System Settings* mode and press the [OK] button.**
   ◆ The system is automatically converted into the selected mode in two seconds even when the [OK] button is not pressed.
   ◆ The System Settings menu appears.

**3. Move the [W/T] button to select <Memory> and press the [▶] button.**

**4. Move the [W/T] button to select <Memory Space>.**
   ◆ Usable memory space and total memory space are displayed.

**5. Press the [Record/stop] button to finish viewing.**

2

| **System Settings** | F / 720i |
| --- | --- |

0:00 / 00:43:41 STBY

3

| **System Settings** | |
| --- | --- |

| | | **System** |
| --- | --- | --- |

Display
Date/Time
System
**Memory** ▶
Language          English

4

| **Settings : Memory** | |
| --- | --- |

| | | **System** |
| --- | --- | --- |

Storage Type     Internal
Format           Internal
**Memory Space    778MB/983MB**
Back

---
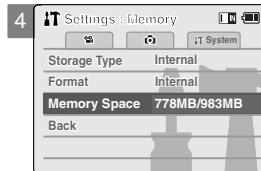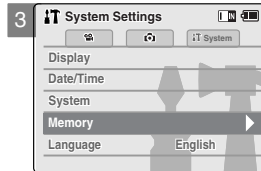
Notes

✤ If you select <◀> in the menu, the previous menu appears.
✤ Memory Space takes the form of 0000MB/0000MB. (SC-M2200S(B) only)

# Setting the CAM : Setting Language

## *Selecting Language*

You can select the desired language to display the menu screen and the messages.

**1. Move [POWER/MODE Selector] down to turn on the CAM.**
   ◆ The Video Record screen appears.

**2. Move [POWER/MODE Selector] down again to select *System Settings* mode and press the [OK] button.**
   ◆ The system is automatically converted into the selected mode in two seconds even when the [OK] button is not pressed.
   ◆ The System Settings menu appears.

**3. Move the [W/T] button to select <Language> and press the [▶] button.**

**4. Move the [W/T] button to select the desired setting and press the [OK] button.**
   ◆ 한국어 / 中文 / Iran / Arab / Magyar / ไทย / Українська / Svenska / English / Español / Français / Português / Deutsch / Italiano / Nederlands / Polski / Русский

**5. Press the [Record/Stop] button to finish setting.**

---
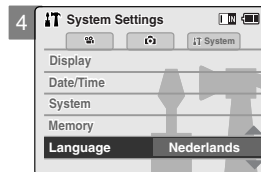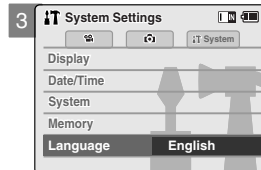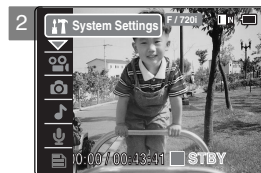
**Note**

✤ If you select <◀ > in the menu, the previous menu appears.

# Setting the CAM : Using USB Mode

*Storing Files to the External Memory*

**1. Connect the CAM to the PC with the USB cable.**

**2. Move [POWER/MODE Selector] down to turn on the CAM.**
   ◆ USB mode screen appears automatically.

**3. Move the [W/T] button to select <Mass Storage> and press the [OK] button.**
   ◆ Your PC doesn't recognise the USB device automatically. You may install the USB Driver manually on Windows 98SE operating system.

**4. Disconnect the USB cable if you finish storing.**
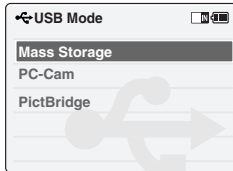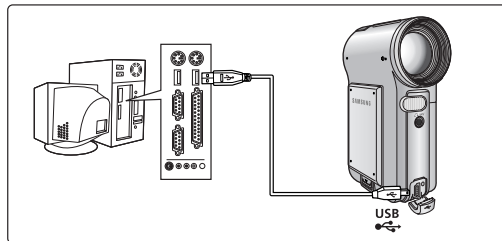
USB

| USB Mode | |
|---|---|
| **Mass Storage** | |
| PC-Cam | |
| PictBridge | |

Notes

✤ If you disconnect the USB cable from the PC or the CAM during the data transfer, the data transfer will stop and the data may be damaged.
✤ If you connect the USB cable to a PC using a USB HUB or with other device at the same time, it might cause conflict and may not work properly. If this occurs, remove all other devices and try the connection again.
✤ It takes about 30 minutes if you download or upload the file of 1GB by connecting the USB cable.

# Setting the CAM : Using USB Mode

## *USB Speed depending on the System*

High Speed USB is not guaranteed except for Microsoft(Windows) or Apple(Mac OS X) or supplied Driver.

✤ Windows 98SE/ME: Full Speed USB
✤ Windows 2000: Over Service Pack 4 - High Speed USB

✤ Windows XP: Over Service Pack 1 - High Speed USB
✤ Mac OS X: Over 10.3 - High Speed USB

## *System Environment*

|  | **Windows Environment** | | **Macintosh Environment** | |
|---|---|---|---|---|
|  | **Minimum** | **Recommended** | **Minimum** | **Recommended** |
| **CPU** | Pentium III, 600MHz | Pentium 4, 2GHz | G3 500MHz | G4 Processor |
| **OS** | Windows 98SE/ME | Windows 2000/XP | Mac OS 10.2 | Mac OS 10.3 |
| **Memory** | 128MB | 512MB or above | 128MB | 512MB or above |
| **Free space on the hard disk** | 200MB(For applications only. Apart from this, 1GB or more free space | 2GB or above | 200MB(For applications only. Apart from this, 1GB or more free space | 2GB or above |
| **Display Resolution** | 800x600 dots 16-bit color | 1024x768 dots 24-bit color | 800x600 dots 16-bit color | 1024x768 dots 24-bit color |
| **USB** | USB 1.1 | USB 2.0 High Speed | USB 1.1 | USB 2.0 High Speed |

Notes

✤ Not all PCs configured with the above environment are guaranteed to operate properly.
✤ PCs used via a USB hub or with a USB card are out of the scope of guarantee.
✤ If your OS is Windows 2000/XP, log in as the [Administrator(administrator of the PC)] (or a user with the equivalent privileges) to install the OS.
✤ If the capacity of PC is low, the video file may not be played normally or the file is often stopped.
✤ If the capacity of PC is low, it may take long time to edit the video file.

# Setting the CAM : Using USB Mode

## *Using PC Cam*

You can use this the CAM as a PC camera for video chatting, video conference and other PC camera applications.

**1. Connect the CAM to the PC with the USB cable.**

**2. Move [POWER/MODE Selector] down to turn on the CAM.**
   ◆ USB mode screen appears automatically.

**3. Move the [W/T] button to select <PC-Cam> and press the [OK] button.**
   ◆ The CAM can be used as a PC Camera for programmes such as Windows Messenger.

2
| USB Mode |
| --- |
| **Mass Storage** |
| PC-Cam |
| PictBridge |

3
| USB Mode |
| --- |
| Mass Storage |
| **PC-Cam** |
| PictBridge |
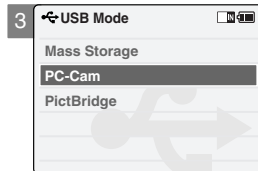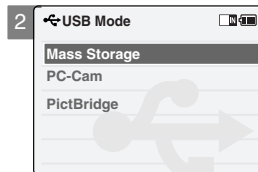
Notes

✤ The CAM can be used as a PC Camera for programmes such as Windows Messenger.
   The use of the PC Cam varies depending on the Software. Refer to the documentation of the respective software products.
✤ PC-Cam function is operated as 'Full Speed' in the capacity of Windows ME or over.

# Setting the CAM : Using USB Mode

## *Connecting the CAM to a Printer*

By connecting the CAM to printers with PictBridge support (sold separately), you can send images
from the internal memory or external memory (SD, MMC, Memory Stick or Memory Stick Pro)
directly to the printer with a few simple operations.

**1. Connect the CAM to the printer with PictBridge support with the USB cable.**

**2. Move [POWER/MODE Selector] down to turn on the CAM.**
◆ USB mode screen appears automatically.

**3. Move the [W/T] button to select <PictBridge> and press the [OK] button.**

**4. Move the [W/T] button to select <Date> and press the [▶] button.**

**5. Move the [W/T] button to select <On> or <Off> and press the [OK] button.**

**6. Move the [W/T] button to select <Copies> and press the [▶] button.**

**7. Move the [W/T] button to select desired number and press the [OK] button.**
◆ You can select the number of copy from 1 to 99.

**8. Move the [W/T] button to select <Print> and press the [OK] button.**

Notes

✦ If you select <◀> in the menu, the previous menu appears.
✦ If you want to select the next or previous photo, select <Next> or <Previous> using the [W/T] button
  and press the [OK]button.
✦ Refer to the User's Manual of the printer for more detailed guide on the printing procedures.

2 | USB Mode
Mass Storage
PC-Cam
PictBridge

3 | USB Mode
Mass Storage
PC-Cam
**PictBridge**

4 | PictBridge 100-0056
Date        Off
Copies        1
Print
Next Photo
Previous Photo

5 | PictBridge 100-0056
Date        On
Copies        1
Print
Next Photo
Previous Photo

# 5 **Miscellaneous Information**

# Miscellaneous Information : Connecting the CAM with other Devices

## *Connecting the CAM to TV*

You can connect the CAM to a TV set directly to play video files on TV monitor.

1. **Connect the Audio/Video cable to the Earphones and AV jack of the CAM.**

2. **Connect the Audio/Video cable to the external input terminal of your TV set by matching the colors of the terminals.**

3. **Move [POWER/MODE Selector] down to turn on the CAM.**
   ◆ The Video Record screen appears.

4. **Press the [OK] button to play the video file in Video Record mode.**

5. **Move [W/T, ◄/►] button to find the video file you want to play.**

6. **Press the [OK] button to play the video file.**



VIDEO (Y)  AUDIO (L)
AUDIO (R)
Line Input
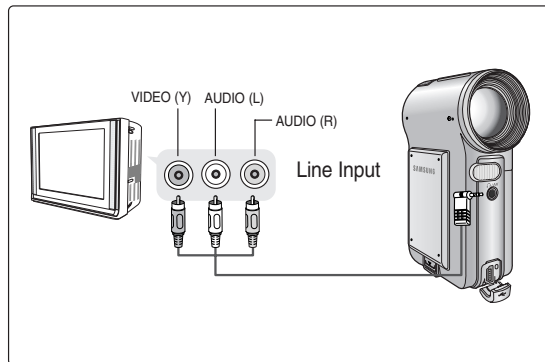
Notes

✤ You can stop and play video files using the same button as used for playing video files on the LCD monitor of the CAM. (Refer to pages 38 to 39.)
✤ If you connect a Mono AV cable to the CAM, the video file cannot be played.
✤ You can playback the video files and also view the photo files on TV screen.

# Miscellaneous Information : Connecting the CAM with other Devices

### *Connecting the CAM to VCR*

You can connect the CAM to VCR to copy the recorded files to the video tape.

**1. Connect the Audio/Video cable to the Earphones and AV jack of the CAM.**

**2. Connect the Audio/Video cable to the external input terminal of your VCR set by matching the colors of the terminals.**

**3. Connect the Audio/Video cable to the Video line Output and TV line Input.**

**4. Select the 'Input' on the TV, VCR or the remote control of TV.**

Line Input

Line Output

VIDEO (Y)   AUDIO (L)   AUDIO (R)
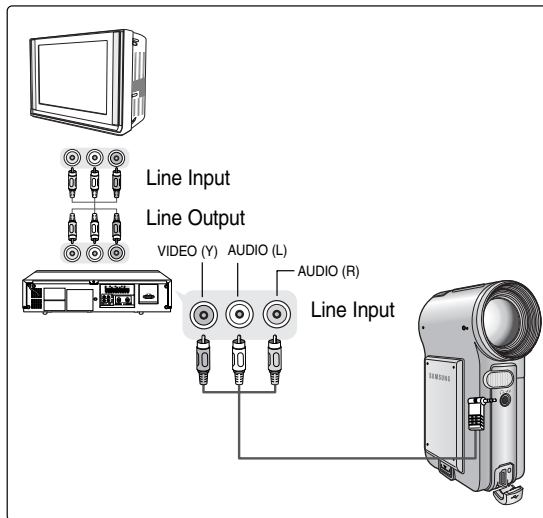
Line Input

Note

✤ If TV set has no Line Input, you cannot view the output screen of the CAM.

# Miscellaneous Information : Connecting the CAM with other Devices

### *Copying Video files to a VCR Tape*

You can copy your recorded files to a regular blank video tape. Connect the CAM to a VCR using the Audio/Video cable before recording.

**1. Insert the blank video tape to the VCR and select 'Line Input'.**

**2. Move [POWER/MODE Selector] down to turn on the CAM.**
   ◆ The Video Record Screen appears.

**3. Press the [OK] button in the *Video Record* mode and move to Video Play mode.**

**4. Press the [W] button to move to the Multi-play screen.**

**5. Move the [W/T, ◀/▶] button to select the video file you want to copy and press the [OK] button.**

**6. Press the [Record/Stop] button on the VCR to start recording.**

**7. Press the [OK] button on the CAM to finish copying.**

Notes

✛ Refer to operating instructions of your TV or VCR for detailed information on connecting external devices.
✛ You can stop and play video files using the same button as used for playing video files on the LCD monitor of the CAM. (Refer to pages 38 to 39.)
✛ If you operate the buttons of the menu when copying, it is copied also. Be careful not to operate the buttons.
✛ If you press the [DISPLAY] button, you can copy without OSD indicators.

# Miscellaneous Information : Connecting the CAM to other Devices

### *Recording unscramble contents from other digital devices*

You can connect other external digital devices to CAM to record unscrambled contents.

1. **Connect the Audio/Video cable to the Earphone and AV jack of the CAM.**
2. **Connect the Audio/Video cable to the external output terminal of your digital devices (DVD Player, DVC, etc.) by matching the cable to the colors of the terminals.**
3. **Move [POWER/MODE Selector] down to turn on the CAM.**
   - ◆ The Video Record screen appears.
4. **Press the [MENU] button.**
   **Move the [W/T] button to select <Record Mode> and press the [▶] button.**
5. **Move the [W/T] button to select the desired record mode and press the [OK] button.**
6. **Move the [W/T] button to select <Line In/Out> and press the [▶] button.**
7. **Move the [W/T] button to select <In> and press the [OK] button.**
8. **Play back the other digital devices.**
9. **Press the [Record/Stop] button of the CAM to start recording.**
10. **To stop recording, press the [Record/Stop] button again.**



VIDEO (Y)  AUDIO (L)
DVD                                AUDIO (R)
                                   Line Output

---
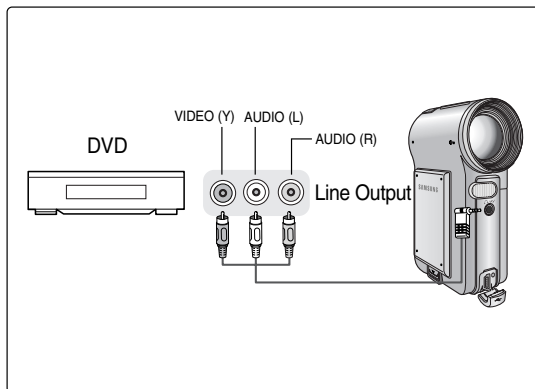
Note

✤ The quality of an input signal recorded through the Line In terminal cannot be guaranteed unless it comes from digital devices (DVD Player, DVC, etc.).

# Miscellaneous Information : Connecting the CAM with other Devices

*Connecting the CAM to a PC using the USB cable*

You can connect the CAM to a PC that supports USB connections.
Use the provided USB cable for connection to a PC.

1. **Connect the provided USB cable to USB Port of the CAM.**

2. **Move [POWER/MODE Selector] down to turn on the CAM.**

3. **Connect the other side of the USB cable to the USB port of your PC.**



USB
⛭
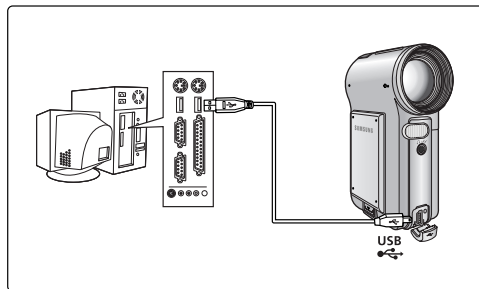
Note

❖ If the CAM does not recognise the USB device when the USB cable is connected to USB Port on the front panel of the PC, connect the USB cable to USB Port on the rear panel of the PC.

# Miscellaneous Information : Installing Programmes

## Installing DV Media Pro 1.0

You have to install DV Media Pro 1.0 for playback CAM recorded video files or the transferred data by USB cable on your PC.
■ Installing Acrobat Reader
 Click 'Acrobat Reader' on the Setup screen.
 - Acrobat Reader programme should be installed to view DV Media Pro User's Manual.
 - The DV Media Pro User's Manual is included on the accompanying CD in Adobe's Portable Document Format (PDF).
   (The Acrobat Reader is a freeware product of Adobe Systems. Inc.)

### Windows

**1. Turn on your PC.**
  ◆ Quit the applications programme you work.

**2. Insert the programme CD into the CD-ROM drive.**
  ◆ The Setup screen appears automatically.
  ◆ If not, press the <Start> button on the left bottom of the PC screen, and select <Run>. If the window of <Run>
    appears, enter 'D:\autorun.exe' (in case the CD-ROM driver is set to 'D:Drive') and press the [Enter] key.

**3. Click 'DV Driver' on the Setup screen.**
  ◆ The corresponding driver to a PC is installed automatically.
    - Driver Type
      USB removable Disk Driver (Windows 98SE only)
      USB PC-CAMERA Driver
      USB Streaming Driver (USB Interface for Data Transfer)

**4. Press <Confirm> to finish installing the programme.**

**5. Click 'Video Codec' to install on the Setup screen.**

**6. Click 'DirectX 9.0' to install on the Setup screen.**
  ◆ When the installation is finished, the <Restart> appears.
    If you press [Finish], the PC is restarted.
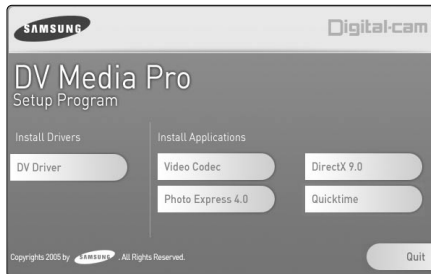


### Notes

✤ You have to install 'DV Driver', 'Video Codec' and 'DirectX 9.0' to run the programme, DV Media Pro 1.0 properly.
✤ Please refer to the User's Manual inside the CD ROM drive (D:\help) folder for more detailed guide on the installation procedures.
✤ Use DV Media Pro 1.0 REV4.0 or higher in this product.

# Miscellaneous Information : Installing Programmes

## *USB Interface for Data Transfer*

Connect the CAM and PC with the provided USB cable. You can record the Photo files and Video files in real-time. USB transferring function can be used when DV Driver, Video Codec, DirectX 9.0 programmes are already installed in the PC.

**1. Turn on your PC and insert the programme CD into the CD-ROM drive.**
   ◆ Quit the applications programme you work.

**2. Connect the provided USB cable to the USB port of the CAM.**
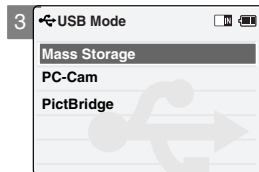
**3. Move the [W/T] button to select <Mass Storage> and press the [OK] button.**

**4. Install and run the Ulead VIDEO STUDIO programme provided along with the system.**
   **The user of WINDOWS ME or XP can use the USB Interface for data transfer with the Windows Movie Maker programme.**
   ◆ (C:\program files\Movie maker\moviemk.exe)

| 3 | USB Mode | |
|---|---|---|
| | **Mass Storage** | |
| | PC-Cam | |
| | PictBridge | |

# Miscellaneous Information : Connecting the CAM with other Devices

### Disconnecting USB Connection

After completing the data transfer, you must disconnect the cable in the following way.
1. Select the removable disk icon and click the right mouse button to select 'Safely Remove Hardware'.
2. Select 'Stop' and disconnect the USB cable when the pop-up screen disappears.

### Notes

✤ If you disconnect the USB cable from the PC or the CAM during the data transfer,
  the data transfer will stop and the data may be damaged.
✤ If you connect the USB cable to a PC using a USB HUB or with other device at the same time,
  it might cause conflict and may not work properly. If this occurs, remove all other devices and try the connection again.
✤ The CAM may operates abnormally in the recommended system environment depending on the assembling of PC.
  For example, the video file is played abnormally.
✤ Once you select Mass Storage, PC-Cam or PictBridge, you cannot select
  the modes. Disconnect the USB cable or turn on the CAM again to select the modes.
✤ If you disconnect the USB cable, the message 'Now refresh file list' appears for 1 second.
✤ All operation mentioned on the page 107 may not guaranteed in the system environment.

# Miscellaneous Information : Printing Photos

## *Printing with PictBridge Function*

With the PictBridge Support, you can control the printer directly through
the CAM in order to print out stored pictures.
For direct printing of your stored pictures using the PictBridge function,
you must connect the CAM to a PictBridge printer using a USB cable.
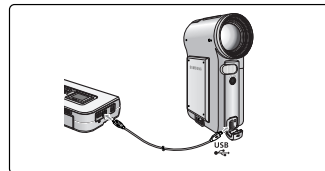
**1. Connect the CAM to the PictBridge printer with the USB cable.**

**2. Move [POWER/MODE Selector] down to turn on the CAM.**
   ◆ USB mode screen appears automatically.

**3. Move the [W/T] button to select <PictBridge> and press the [OK] button.**

**4. Move the [W/T] button switch to select <Copies> and press the [OK] button.**

**5. Move the [W/T] button switch to select desired number and press the**
   **[OK] button.**
   ◆ You can select the number of copies from 1 to 99.

**6. Move the [W/T] button switch to select <Print> and press the [OK] button.**
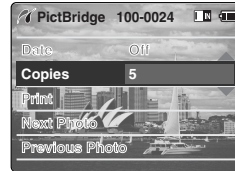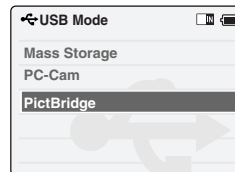
Notes

✤ If you select <◄> in the menu, the previous menu appears.
✤ If you want to select the next or previous photo, select <Next> or <Previous> using [W/T] button and
  press the [OK] button.
✤ For further details about printing photos, refer to the User's manual of the printer.
✤ Printing may not be performed depending on types of printers.
  In this case, download JPEG file to the PC directly and print it.

**USB Mode**

Mass Storage
PC-Cam
**PictBridge**

**PictBridge  100-0024**

Date            Off
**Copies          5**
Print
Next Photo
Previous Photo

**PictBridge  100-0024**

Date            Off
Copies          1
**Print**
Next Photo
Previous Photo

**119**

# Miscellaneous Information : Printing Photos

## *Printing Photos with DPOF Files*

DPOF (Digital Printing Order Format) defines the print information for the specific photos and number of each photo on the Memory Card. You can easily make prints on a DPOF compatible printer or order copies.

### Printing DPOF files of the Memory Card

1. Set the print information for the photo you want to print. (Refer to page 64)
2. Insert the Memory Card into the photo printer.
3. Follow the steps of the printer to print out photos.

Note

✢ For further details about printing photos, refer to the User's manual of the printer.

# Maintenance : Cleaning and Maintaining the CAM

## *After using the CAM*

✤ **For the safekeeping of the CAM, follow these steps.**
  ✓ Turn the CAM off.
  ✓ Remove the Battery Pack (refer to page 19).
  ✓ Remove the Memory Card (refer to page 33).

✤ **To prevent any damage to the LCD monitor, do not apply excessive force on its moving parts.**

✤ **Do not drop or in anyway shock the CAM.**

✤ **For prolonged use of the CAM, avoid using it in places subject to excessive humidity or dust.**

✤ **Do not leave the CAM in places subject to:**
  ✓ Excessive humidity, steam, soot or dust.
  ✓ Excessive shock or vibration.
  ✓ Extremely high (over 50°C or 122°F) or extremely low (under 0°C or 32°F) temperatures.
  ✓ Strong electromagnetic fields.
  ✓ Direct sunlight or in a closed car on a hot day.

✤ **For the safe use of the battery pack, follow these.**
  ✓ To conserve battery power, be sure to turn off the CAM power when not in use.
  ✓ Battery consumption may vary depending on the condition of use. Recording with many starts and stops,
    frequent zooming, and recording in low temperatures will shorten actual recording times.
  ✓ Dispose of used battery packs promptly. Do not dispose of them in fire.
  ✓ The battery pack will become warm during charging and use. This is not a malfunction.
  ✓ The battery pack has a limited service life. If the period of use becomes noticeably shorter with a normal charge,
    the battery pack is at the end of its service life. Replace it with a new battery pack.

✤ **For the safe use of the Memory Card, follow these.**
  ✓ The Memory Card should be stored away from heaters and other heat sources. Avoid storing Memory Cards under direct
    sunlight and avoid electromagnetic fields.
  ✓ Do not power off any devices while transferring data, as this may destroy the data.
  ✓ Back up your image data often to a hard disk or other permanent storage media.
  ✓ Format the Memory Card periodically.
  ✓ When formatting the Memory Card, format in the CAM.

# Maintenance : Cleaning and Maintaining the CAM

## *Cleaning the Body*

✤ **To Clean the Exterior of the CAM**
  ✓ To clean the exterior, use a soft dry cloth. Wipe the body gently.
    Do not apply excessive force when cleaning, gently rub the surface.
  ✓ The LCD monitor surface should not be pressed. Use a soft dry cloth to clean the surface.
  ✓ To clean the lens, use an optional air blower to blow out dirt and other small objects. Do not wipe the lens with cloth
    or your fingers. If necessary, use lens cleaning paper.
  ✓ Do not use thinner, alcohol or benzene for cleaning. Otherwise, the finish may be damaged.
  ✓ Cleaning should be done only after the battery pack has been removed, and other power sources have been
    disconnected.

Note

✤ If the lens look dimmer, turn off the CAM and leave it for about 1 hour.

## *Using the Built-in Rechargeable Battery*

The CAM incorporates a rechargeable lithium cell that maintains the date and other settings even when the AC Power Adapter
and the battery are removed. The rechargeable lithium cell is automatically recharged when the CAM is used.

### Charging the Built-in Rechargeable Battery

✤ If The CAM is not used at all, the cell runs down in 5 days. In this case, connect the AC Power Adapter to the CAM
  and turn on the power switch. Then leave it for 24 hours.
  After that, set the date and other settings again.

# Maintenance : Cleaning and Maintaining the CAM

## *Regarding the Battery*

- Battery pack performance decreases when the surrounding temperature is 10°C (50°F) or below, and shortens the battery life. In that case, do one of the following so that the durability of the battery life can be extended for a longer period of time.
  - Put the battery pack in a pocket to warm it up, and insert it in your Camcorder immediately prior to use.
  - Use a large capacity battery pack (Optional).

- Be sure to set the switch to OFF when not recording or playing back. The battery power is also consumed in standby, play back and pause mode.

- Have your battery packs ready for two or three times the expected recording time, and make trial recordings before make the actual recording.

- Do not expose the battery pack to water. The battery pack is not water resistant.

- Keep the battery out of reach of children. If it is swallowed, seek medical assistance immediately.

- Wipe the battery with a clean dry cloth to ensure proper contact.

- Do not pick up the battery using metal tools as this may cause a short circuit.

- Do not short the battery or dispose of the battery in fire. Do not disassemble the battery. The battery could explode or catch fire.

- Use only recommended batteries and accessories. Use of batteries not expressly recommended for this equipment may cause an explosion or leakage, resulting in fire, injury or damage to the surroundings.

- Install the battery according to the instructions. Improperly installed batteries can cause damage to the camcorder.

- When you do not use for a long time, remove the battery pack. Otherwise, the battery may leak. To avoid damage to the product, be sure to remove the battery when no charge remains.

# Maintenance : Cleaning and Maintaining the CAM

## *Using the CAM Abroad*

✸ Each country or region has its own electric and color systems.
✸ Before using the CAM abroad, check the following items:

### Power Sources

✸ You can use the CAM in any country or area with the supplied AC Power Adapter where the power input range is 100V ~ 240V, 50/60Hz.
✸ Use a commercially available AC plug adapter if necessary, depending on the design of the local wall outlets.

### Color System

✸ You can view your video files using the built-in LCD monitor.
  However, to view your recordings on a television set or to copy it to a video cassette recorder (VCR), the television set or the VCR must comply with NTSC-compatible and have the appropriate Audio / Video ports. Otherwise, you may need to use a separate Video Format Transcoder (PAL-NTSC format Converter).

PAL-Compatible Countries / Regions
Australia, Austria, Belgium, Bulgaria, China, CIS, Czech Republic, Denmark, Egypt, Finland, France, Germany, Greece, Great Britain, Holland, Hong Kong, Hungary, India, Iran, Iraq, Kuwait, Libya, Malaysia, Mauritius, Norway, Romania, Saudi Arabia, Singapore, Slovak Republic, Spain, Sweden, Switzerland, Syria, Thailand, Tunisia, etc.

NTSC-Compatible Countries / Regions
Bahamas, Canada, Central America, Japan, Mexico, Philippines, Korea, Taiwan, United States of America, etc.

# Troubleshooting

## *Self Diagnosis Display*

| Display | Informs that… | Action |
|---|---|---|
| Not enough free space | Not enough free space for saving files . | Check the space of internal memory or the external memory. |
| Corrupted file | The file is corrupted. | Delete the corrupted file. |
| Paper error | The paper is insufficient. | Check the paper in the printer. If there is no paper, insert the paper. |
| Printer error | The paper is caught in the printer. | Check that paper is caught in the printer. Pull out the caught paper. |
| Ink error | Ink is low. | Check if the ink or toner is low. |
| Wrong error | The file is wrong. | Check that the file is JPEG. |
| USB transfer error | The error is occurred while transferring data. | Disconnect the USB cable and connect it again. |
| Sleeping now... | Power saving mode works. | Press any button to return to previous menu. |
| Low battery | Battery is low. | Charge the battery pack or connect the AC Power Adapter. |
| Holding the key | The HOLD switch is locked. | Unlock the HOLD switch and operate the CAM. |
| Card error | The Memory Card is corrupted. | Format the Memory Card or replace it with new one. |
| Not formatted | Format the memory card. | Format the Memory Card. |
| Write error | Failed to write. | Check the memory space or format the memory. |
| Read error | Failed to read. | Delete the file. |
| Not supported format | The format is not supported. | The AVI or JPEG file that is not supported. Check the supported file. on the page 29. |
| Write protected | Memory Card is protected to write. | Unlock the Memory Card. (except MMC) |
| MPEG decoding error | The video file is corrupted. | Delete the corrupted file. |

✤ If these instructions do not solve your problem, contact your nearest Samsung dealer or authorized service center/personnel.

| Symptom | Possible Causes | Measure |
|---|---|---|
| No power is supplied | The power is not connected properly | Connect the AC Power Adapter properly, page 23 |
| | The battery is dead | Replace the dead battery pack |
| | The battery is too cold | Warm up the battery or move to warmer place |
| Date/Time is wrong | The Date/Time is not set | Set the Date/Time, pages 92~93 |
| Focus does not adjust automatically | Focus is set to manual mode | Set focus to AUTO |
| | Recording was done in a dark place | Use strobe or lit the place |
| | Lens is covered with condensation | Clear the lens and check the focus |
| The Memory Card will not load properly | Memory Card is in wrong position | Insert the Memory Card properly, page 33 |
| | Something fills in the MUILTI CARD slot | Clear the MUILTI CARD slot |

# Troubleshooting

| Symptom | Possible Causes | Measure |
|---------|----------------|---------|
| Color balance of picture is not natural | White balance adjustment is required | Set proper white balance, page 69 |
| Digital zoom does not work | Digital special effect is applied | Turn off the digital special effects, page 55 |
| Files stored in the Memory Card cannot be deleted | Memory Card is protected<br>File is locked | Remove the protection tab of Memory Card (except MMC)<br>Remove the lock on the file, page 86 |
| Images on the LCD monitor appear dark | Ambient is too bright<br>Ambient temperature is too low | Adjust the brightness and angle of LCD<br>Low temperatures might produce a dark LCD display<br>This is not a malfunction |
| Rear of the LCD monitor is hot | Prolonged use of LCD monitor | Close the LCD monitor to turn if off,<br>or turn your device off to cool down |
| Play, rewind and fast forwarding do not work | The Photo Mode is selected | Select 'Video Mode' and select 'Play' |
| Memory Card cannot be played back (Photo mode) | The Video Mode is selected | Select 'Photo Mode' and select 'View' |
| No picture is taken when is fully pressed | Not enough free memory space is remained<br>Memory card is formatted by different devices | Delete files from the Memory Card<br>Format the Memory Card on the CAM |
| Built-in Light will fire | Light is forced to cancel<br>Light is not available for recording | Select different Flash mode, page 67 |
| Cannot Record a video | The 'Photo Mode' is selected | Select 'Video Mode' |
| LCD monitor turns off | To save power consumption, the LCD monitor and CAM's power turns off if there is no button operation for a certain period of time (depending on operation mode), which is not a malfunctioning | Operating any button will turn the CAM on<br>Pressing the button once again will operate its function |

# Using the Menu

## 📹 Video

**1. Record**

**2. Play**

Delete
- Selected
- All
- Cancel

Copy To
- Selected
- All
- Cancel

Lock
- Selected
- All
- Cancel

Multi Select
- Close

PB Option
- Selected
- All
- Cancel

**3. Settings**

Size
- 720
- 352

Quality
- Super Fine
- Fine
- Normal

Record Mode
- TV
- PC

Line In/Out
- Out
- In

Focus
- AF
- MF

EIS
- On
- Off

White Balance
- Auto
- Hold
- Outdoor
- Indoor

Program AE
- Auto
- Sports
- Spotlight
- Sand/Snow
- HS Shutter

BLC
- Off
- On

Effect
- Off
- Art
- Mosaic
- Sepia
- Negative
- Mirror
- B&W

Digital Zoom
- Off
- On

B.L. Auto Ctl
- On
- Off

## 📷 Photo

**1. Capture**

**2. View**

Delete
- Selected
- All
- Cancel

Copy To
- Selected
- All
- Cancel

Lock
- Selected
- All
- Cancel

Multi Select
- Close

DPOF

**3. Settings**

Size
- 2400×1800
- 1600×1200
- 1024×768
- 640×480

Flash
- Auto
- On
- Off

Focus
- AF
- MF

White Balance
- Auto
- Hold
- Outdoor
- Indoor

BLC
- Off
- On

B.L. Auto Ctl
- On
- Off

## 🎵 MP3

**1. Play**

Delete
- Selected
- All
- Cancel

Copy To
- Selected
- All
- Cancel

Lock
- Selected
- All
- Cancel

Random
- Yes
- No

Repeat
- No
- One
- All

# Using the Menu

## 🎙 Voice Recorder

**1. Record**

**2. Play**

Delete
Selected
All
Cancel

Copy To
Selected
All
Cancel

Lock
Selected
All
Cancel

## 📄 File Browser

**1. Delete**
Selected
All
Cancel

**3. Copy To**
Selected
All
Cancel

**2. Lock**
Selected
All
Cancel

## 🎛 System Settings

**1. Display**

LCD Brightness
0%
⋮
100%

LCD Color
0%
⋮
100%

Back

**2. Date/Time**

Set Time
Set Date
Date Format
YY/MM/DD
DD/MM/YY
MM/DD/YY

Time Format
12 Hour
24 Hour

Back

**3. System**

Auto Shut off
5 Minutes
Off

Demonstration
Off
5 Minutes
Play Now

Start-up
Video Mode
Previous Mode

File No.
Reset
Series

Beep Sound
On
Off

Version Info
Close

Back

**4. Memory**

Storage Type
Internal
External

Format
Internal
External

Memory Space
000MB/000MB

Back

**5. Language**

한국어 / 中文 / Iran / Arab
/ Magyar / ไทย / Українська
/ Svenska / English /
Español / Français /
Português / Deutsch /
Italiano / Nederlands /
Polski / Русский

## 🔌 USB Mode

**1. Mass Storage**

**2. PC-Cam**

**3. PictBridge**

Date
Off
On

Copies
Print
Next Photo
Previous Photo

■ The USB mode appears
automatically when the USB
cable is connected to the CAM.
■ Memory Space takes the form
of 0000MB/0000MB.
(SC-M2200S(B) only)

## Specifications

| Model Name | | SC-M2050S(B)/M2100S(B)/M2200S(B) |
|---|---|---|
| **The CAM System** | | |
| Video Recording System | | MPEG4 AVI Format |
| Photo System | | JPEG (DPOF, Exif 2.2) |
| MP3 | | Stereo Playing |
| Voice | | WAVE file record/play (8KHz Sampling, 16 bit, Stereo) |
| Memory | | Internal memory/Memory Stick/Memory Stick Pro/SD/MMC |
| Recording/Playing time | | Refer to page 30 |
| CCD Pixel | | 1/3.6 inch CCD, 2110K |
| Zoom Ratio | | x10(Optical), x100(Digital) |
| Focal Length | | f=4.1~41mm, F1.8~2.4 |
| Minimum Illumination | | 7 Lux |
| LCD Monitor | | 2.0" Trans Reflective, 210K |
| **Connectors** | | |
| USB | | Mini-B type (USB 2.0 High Speed) |
| The CAM Connector | | Special 22Pin Connector |
| Common Connector | Ear Phone | Ø3.5 Stereo |
| | AV Input/Output | Video (1.0Vp_p), Audio (-7.5dBm 47KΩ, Input:mono/Output:stereo) |
| DC Power In Connector | | Special 22Pin Connector |
| **General** | | |
| Operating Temperature | | 0°C~40°C |
| Operating Humidity | | 10%~80% |
| Power Source | | 3.8V (Li-Polymer Battery pack), 4.8V (AC Adapter) |
| Power Consumption | | 3.7W (LCD ON)/3.1W(LCD OFF) |
| Dimension(WxHxD) | | 69.0mm x 103.5mm x 37.6mm |
| Weight | | 213(Including the Lithium Polymer Battery Pack) |
| Built-in Microphone | | Omni-directional Stereo condenser microphone |

**Specifications**

| AC Adapter | |
|---|---|
| Power Requirement | AC 100~240V, 50/60Hz |
| DC Output | DC 4.8V, 1.0A |
| Operating Temperature | 0°C~40°C(32°F~104°F) |
| Dimensions | 70mm x 30mm x 42mm |
| Weight | 104g (Including DC cable) |

These technical specifications and design may be changed without notice.

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# Index

## Warranty (SEA users only)

### SAMSUNG LIMITED WARRANTY

SAMSUNG Electronics America Inc. (SEA), warrants that this product is free from defective material and workmanship.
SEA further warrants that if product fails to operate properly within the specified warranty period and the failure is due
to improper workmanship or defective material, SEA will repair or replace the product at its option.
All warranty repairs must be performed by a SEA authorized service center. The name and address of the location
nearest you can be obtained by calling toll free: 1-800 SAMSUNG (1-800-726-7864).
Labor
90 days carry-in
Parts
1 year
On carry-in models, transportation to and from the service center is the customer's responsibility.
The original dated sales receipt must be retained by the customer and is the only acceptable proof of purchase.
It must be presented to the authorized service center.

### EXCLUSIONS (WHAT IS NOT COVERED)

This warranty does not cover damage due to accident, fire, flood and/or other acts of God; misuse, incorrect line
voltage, improper installation, improper or unauthorized repairs, commercial use, or damage that occurs in shipping.
Exterior and interior finish, lamps, and glass are not covered under this warranty.
Customer adjustments which are explained in the instruction manual are not covered under the terms of this warranty.
This warranty will automatically be voided for any unit found with a missing or altered serial number. This warranty is
valid only on products purchased in the United States and Puerto Rico.
Some States do not allow the exclusions or limitations of incidental or consequential damages, or allow limitations on
how long an implied warranty lasts, so the above limitations or exclusions may not apply to you.
This warranty gives you specific legal rights, and you may also have other rights which vary from State to State.

# THE CAM IS MANUFACTURED BY:

**SAMSUNG**

ELECTRONICS

SERVICE DIVISION
400 Valley Road, Suite 201, Mt. Arlington N.J. 07856
Tel: 1-800-SAMSUNG
(1-800-726-7864)

**AD68-00906C**