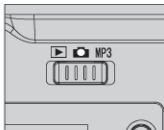


4.1. Photo Capture


Point the mode switch to  position.




【Single shot】 Each hitting on snap button takes one picture.



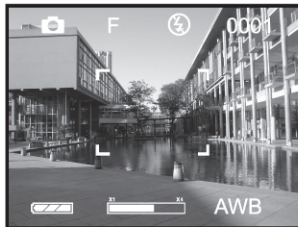
①


① Press menu key to pop up the menu. Highlight  with hitting ◀ or ▶ key. and press ok key.




② Highlight hit  and ok key to enter Single shot mode.

②




❗ If mode switch is in  position, the camera is default in Single shot after powering on.

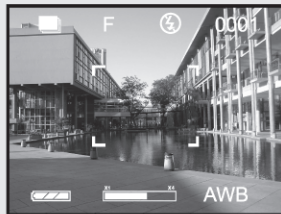
【Consecutive shots】 Each time the snap button is pressed, three frames will be captured.

① Press menu key to pop up the menu.
Select  and press OK key.



② Select 
With ▲ or ▼
and then press
OK.

■ To give up menu operation just press menu key again.
It is applicable in every case.






- ① In capture mode ▲ and ▼ keys can be used to zoom in or zoom out.
- ① On capture mode left arrow key ◀ acts as a shortcut to switch single shot, consecutive shot and video recording.
- ① Both LCD and viewfinder can be used to determine frame in single or consecutive modes.
- ① LCD preview is convenient to determine scene. What you see and what you get. However it consumes a lot of battery power and does not suit to bright environment. On the contrary, optical viewfinder takes no power but has visual errors, especially when capture over a short distance.

4.2. Self-timer



① In  capture mode enter menu by hitting menu key. Select  with  or  key and then hit OK.

② Use  or  key to select  and then confirm with OK key. As the camera enters self-timing capture mode, an icon appears on the LCD screen.










❗ When snap key is hit, self-timer starts and the dedicated LED blinks. In the last 2 seconds before capture, blinking frequency is doubled.

❗ Self-timing capture has 10-second delay. After a frame is captured and stored, self-timer LED gets unlit.

4.3. Video recording



① In  capture mode enter menu by hitting menu key. Select  with  or  key and then hit OK.


② Use  or  keys to select  and then press OK.

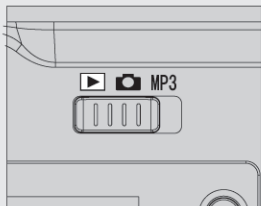


③ Press snap button to start video recording and press it again to stop.

- ❗ As video recording is a continuous process, the camera must be held steadily. Vibration or quick movement will distort or spoil the images. Please do not forget to stop recording. Otherwise it will last till whole memory space is occupied.

4.4. Playback

Set the mode switch to  , playback mode.



【Full screen】 A picture is displayed on LCD in full screen.

① Use ◀ to display the previous picture and ▶ the next.




② Press ▲ key zoom in picture and ▼ key zooms out.






③ Pressing OK key can toggle Pan and Zoom. On Pan state viewport can be changed by four arrow keys.

【Thumbnails】 On LCD screen 3x3 thumbnail pictures are displayed.








① Press menu key to pop up the menu. Highlight  and press OK key.

■ Short-cut: Pressing OK key can toggle Full screen and Thumbnails. Selection in menu will be default display each time when playlack is entered. One the contrary, short-cut changes display temporarily.

② Use  or  keys to select  and then press Ok. Display gets into Thumbnails, as in Figure.




③ To display a picture in full screen select it with , , ,  keys and then press OK key.

❗ When icon  is marked in the left-top corner, it says that is a movie segment. The picture is the first image of the movie. See the next section for details.



4.5. Playing back movies





Following the steps of picture playback, select a picture with  mark. Press snap button to start playback and press it again to stop.

4.6. Voice annotation to pictures

【Making voice annotation】

Set the mode switch to , playback mode.



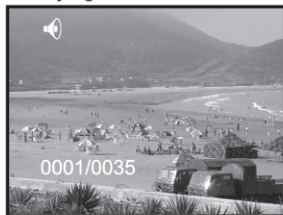
① Select the picture to be annotated with  and  keys.

■ There is no limit on recording time. You must stop it by pressing snap key again or it will last till the memory is full.


② Press snap button to start recording. "It is Recording..." will appear on the screen. To stop recording press the button again.



【Playing voice annotation】



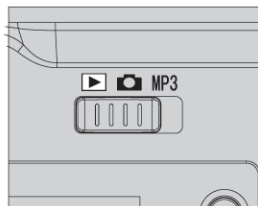
【Erasing voice annotation】
Please see "Erasing Files" for details.




A picture with  icon in the left-top corner, as shown in above figure, indicates that the image has a voice annotation. You can play the voice annotation by pressing the snap button and stop it by pressing the button again. Playing back voice annotation is repeatable.

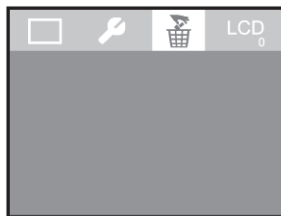
4.7. File management

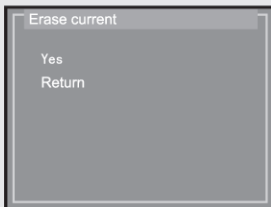
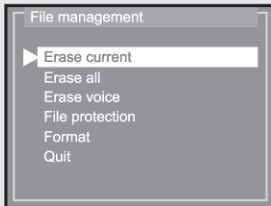
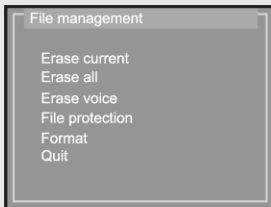
4.7.1. File Erasing

Set the mode switch to , playback mode.



① Enter menu by hitting menu key. Select  with  or  key and then hit OK.





②Use ▲ and ▼ keys to select Erase current, Erase all or Erase voice.

③Implement erasing by select Yes and confirm and return to previous menu by Return.

【Erase current】

The current picture will be deleted by confirming Yes. To erase others select them one by one with ◀ or ▶ key and confirm to each.

【Erase all】

All pictures are erased except for locked ones.

【Erase voice】

The voice recording to current picture is erased.

【Return】

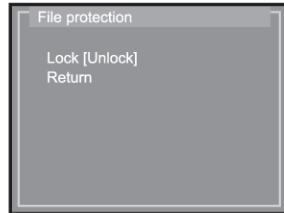
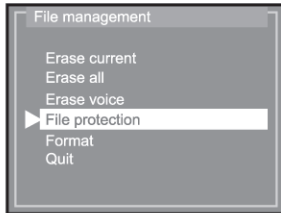
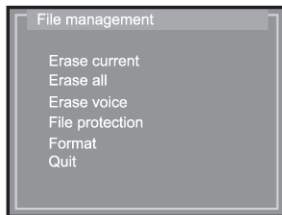
Return to previous menu.

❗ Video recording can be dealt as pictures.

4.7.2. File protection

File protection means to lock a picture or movie segment so that they can not be erased, nor add or edit voice annotation.

① Enter File management menu in the same way as file erasing.



③ Select item with ▲ or ▼ key.

② Select File protection with ▲ or ▼ key.

【Lock】 Lock the current file to disable its erasing.

【Unlock】 Unlock the current file to enable its erasing.



①

【Return】 Return to previous menu.

❶ When playback locked pictures, icon  will appears in the left-top corner, as in Figure ①.

❷ There is no  icon for unlocked pictures.

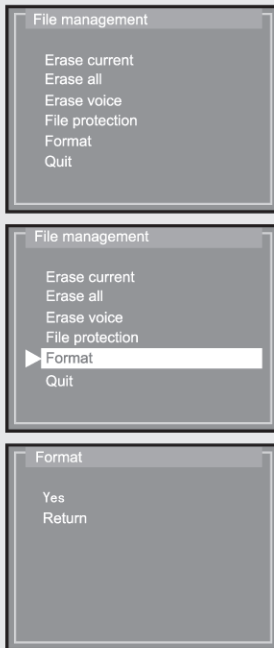
4.7.3. Format flash memory

- ① Enter File management menu in the same way as file erasing.
- ② Select Format with ▲ or ▼ key and then press OK key.
- ③ Select item with ▲ or ▼ key and confirm.

【Yes】 Implement format.

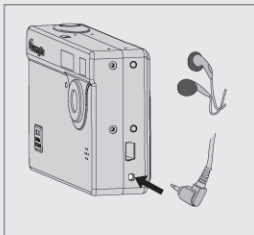
【Return】 Return to previous menu.

- !** Please pay great attention that format will destroy all data in the memory. In some cases format is necessary, for instance, raw cards, incompatible cards, etc.



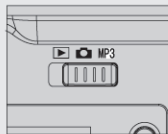
4.8. MP3 playback

① Insert SD card of MP3 music to the camera.



①

② Set the mode switch to MP3 playback mode. The LCD screen looks like Figure③.



②

Note:MP3 files should be stored under the directory of MP3.




③


③ Select music with ▲ or ▼ key. Press OK key to start playback.

④ A selected MP3 file can be deleted by pressing ◀ key and selecting "yes". Playing must be stopped before deleting.

⑤ During playing the LCD display can be shut down to save power by pressing MENU.

■ Volume adjustment: During playback ▲ and ▼ keys can be used to increase or decrease volume.

■ Play one by one: Press ▶ till the icon  appears on the screen.


■ Repeat playing all: Press ▶ till the icon  appears on the screen.




4.9. PC camera

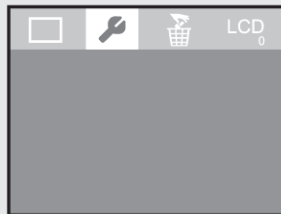
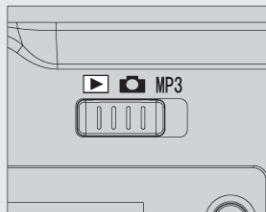
PC camera means that the camera is used as a video peripheral device of a PC. Video stream can be transferred to the PC via USB interface. Application software can display motion images on the screen or transmit over network.

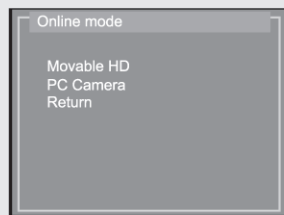
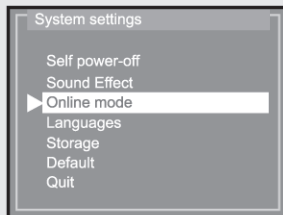
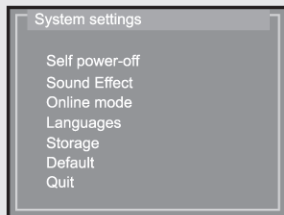
Please run PC camera as follows:

Step 1: Set online mode to PC CAMERA.

Set the mode switch to  , playback mode.

①Enter menu by hitting menu key. Select  with  or  key and then hit OK.



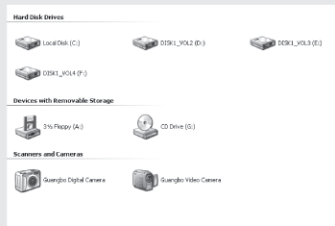
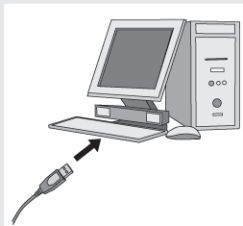


② Select Online mode with ▲ or ▼ key and then hit Ok.

③ Select PC Camera with ▲ or ▼ key and then press Ok.

【Quit】 Quit menu and return to the latest state.

【Return】 Return to previous menu.



Step 2: Connect the camera to a PC with a USB cable. The PC detects a new hardware device and install corresponding driver automatically.

On the occasion, when open MY COMPUTER, a Guangbo Video Camera can be seen, as shown in the above figure.

Step 3: Double click on Guangbo Video Camera icon to view video images in a window.

Note: a video driver need to be installed for windows 98/2000 OS to use PC camera. The driver can be downloaded from <http://www.digiguangbo.com/download.htm>.


4.10. Upload and Download of files

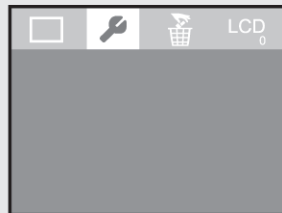
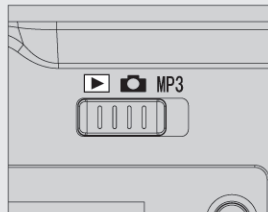
The process of transferring files of pictures, movies, music, etc. to a PC is called as Upload. If the transfer is in reversed direction, it is called as Download.

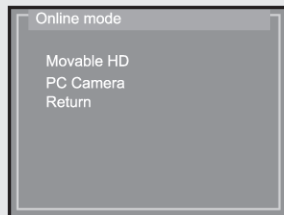
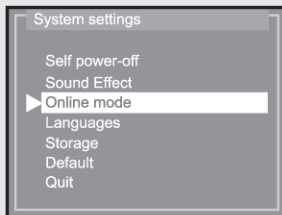
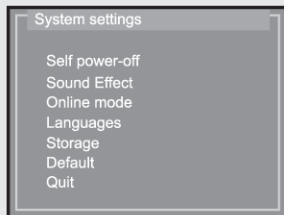
In PC camera mode dedicated application software is required to import data from the camera. Therefore upload and download is usually in movable hard disk mode.

Step 1: In online mode menu select Movable hard disk as below.

Set the mode switch to , playback mode.

①Enter menu by hitting menu key. Select  with ◀ or ▶ key and then hit OK.



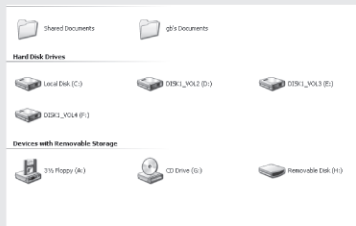
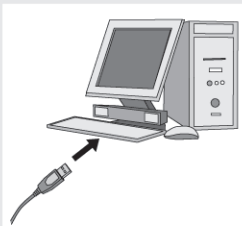
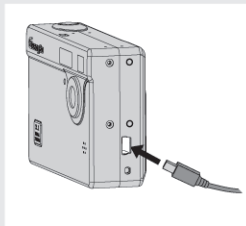


② Select Online with ▲ or ▼ key and then hit Ok.

③ Select Movable HD with ▲ or ▼ key and then press Ok.

【Quit】 Quit menu and return to the latest state.

【Return】 Return to previous menu.

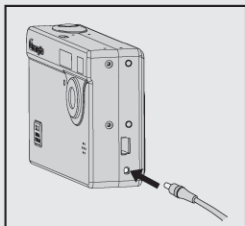


Step 2: Connect the camera to a PC with a USB cable. The PC detects a new hardware device and installs corresponding driver automatically.

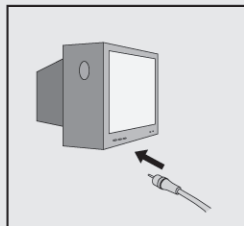
You can manipulate the new disk exactly as local ones. Download and upload simply become copying files into or from the movable hard disk.

Step 3: Opening my computer on PC, you will see a new movable hard disk as shown in the above figure .

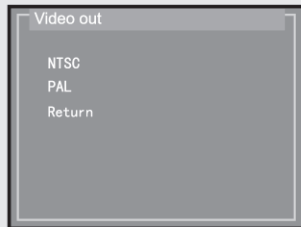
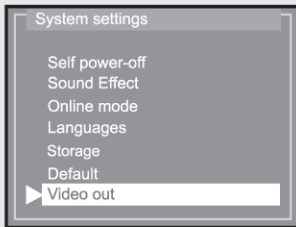
4.11.Video out (DT1121A only)





When the camera is connected to a TV with will be displayed on the TV and the LCD stop working automatically.



Connect the camera to a TV with a video cable.



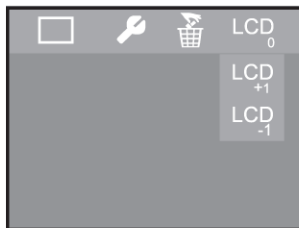
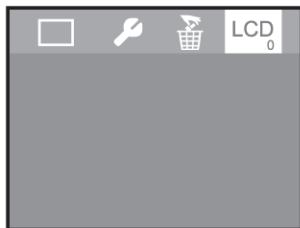
Set the mode switch to , playback mode.

① Enter menu by hitting menu key. Select  with ◀ or ▶ key and then hit Ok.

② Select Video out with ▲ or ▼ key and then hit OK.

③ Use ▲ or ▼ key to select item and hit OK.

4.12、LCD Brightness adjustment



Set the mode switch to playback .

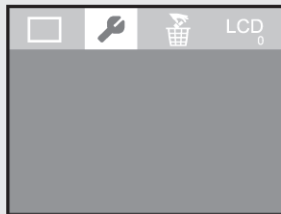
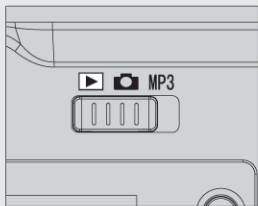
① Enter menu and select LCD₀ with ◀ or ▶ key. Press Ok key.

② Select wanted LCD level and press OK key.



【LCD₊₁】 Increase brightness.

【LCD₋₁】 Decrease brightness.

5. System Configuration



Configuration over menu is divided into two parts, system and capture settings. They are done in playback and capture mode respectively. The following is the method for system configuration.

- ① Set the mode switch to , playback mode.
- ② Enter menu by hitting menu key. Select  with ◀ or ▶ key and then hit Ok.