3Mega Digital Camera

<u>English</u>

E- Manual

Contents

Notice

1. Do not drop, puncture or disassemble the camera.

2. Remove batteries during long periods between use.

3. Avoid all contact with water and dry hands before using.

4. Do not expose the camera to high temperature or leave it in direct sunlight.

5. Avoid pressing hard on the camera body.
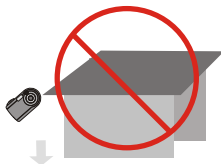
Bundled Accessories

Camera

CD driver

User guide

USB cable

TV-out cable
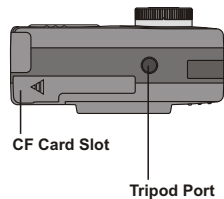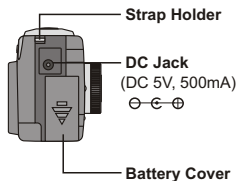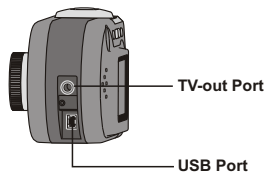
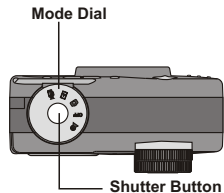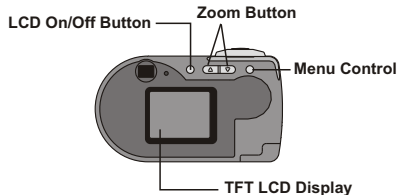2 x AA Alkaline batteries

Strap

Tripod

CF Card (Optional)

Getting Started

- ■ *Camera Parts*

- ■ *Battery Installation & Strap*

- ■ *Tripod & External Memory*

Camera Parts

Flash Strobe

View Finder

Focus

Lens

LCD On/Off Button

Zoom Button

Menu Control

TFT LCD Display

Mode Dial

Shutter Button

TV-out Port

USB Port

Strap Holder

DC Jack
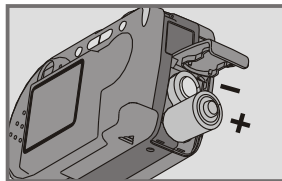(DC 5V, 500mA)

Battery Cover

CF Card Slot
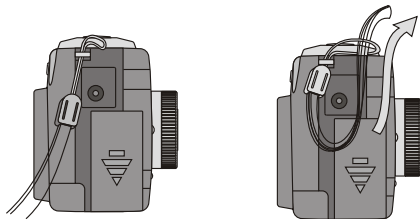
Tripod Port
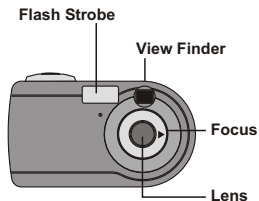
Battery Installation & Strap

Battery Installation

Your camera runs on two AA alkaline batteries.
High performance batteries are recommended for
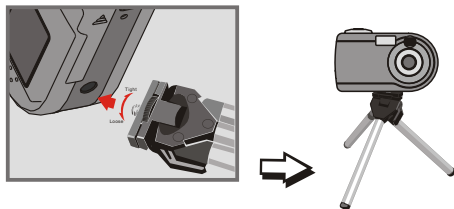this camera for maximum battery life.

Strap

Attach the carrying strap for convenience and
safety.

Tripod & External Memory

☐ Tripod

Use a tripod to minimize camera movement and ensure optimal image quality, especially while shooting longer movies, self-portraits or video conferencing.

☐ External Memory/ CF Card

Insert a CF card before starting taking pictures or AVI Movies. Files will be automatically stored on the CF Card after you've inserted the CF Card.
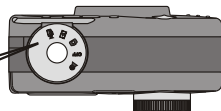
No Card

Your camera needs a CF Card to take pictures.
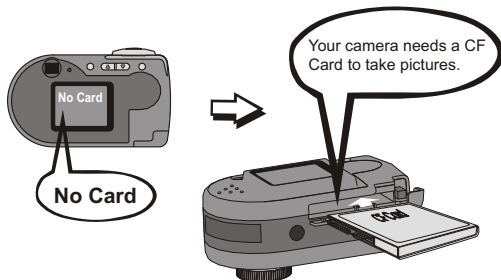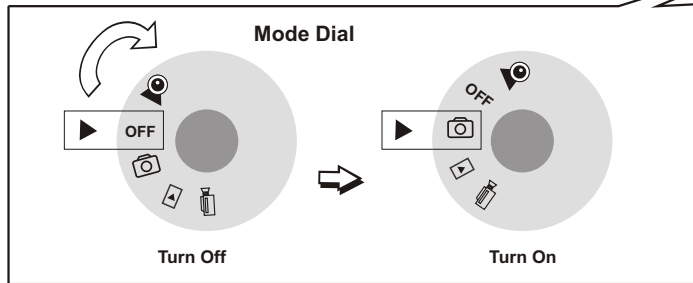
Using Your Camera

Powering Your Camera On and Off

Rotate <Mode Dial> to 🔘 (DSC Mode).

Mode Dial

Turn Off

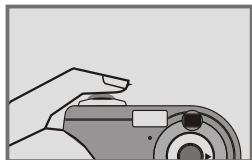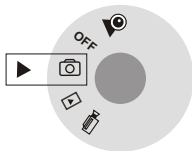**Turn On**

● Auto power-off: your camera will automatically power off after 3 minutes of inactivity.

Taking Still Pictures and Recording AVI Movies

Taking Still Pictures

(1) Rotate <Mode Dial> to 〇 (DSC Mode).
(2) Center the target in the viewfinder or the LCD display.
(3) Press the shutter button.
(4) Wait for few seconds and an image is successfully captured.

Recording AVI Movies

(1) Rotate <Mode Dial> to ▭◖ (AVI Mode).
(2) Flashing ▭◖ icon on the LCD display indicates recording in progress.
(3) Press and release the shutter again to stop recording.
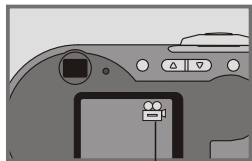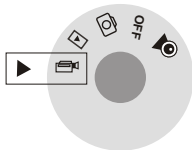
Recording
- When the camera is recording the camcorder symbol will blink.

Playing Back AVI Movies and Still Pictures

(1) Rotate <Mode Dial> to ▶ (Playback Mode).
(2) Press △ (♀) to playback the previous file.
(3) Press ▽ (♀) to playback the next file.

Picture Counter

7/20 ⬛ — **Still Picture**

— **Battery Status**

Picture Counter

8/20 ⬛ — **AVI Movie**

— **Battery Status**
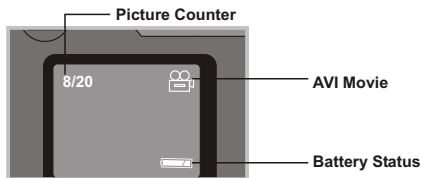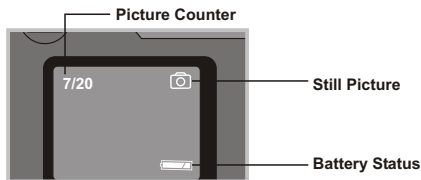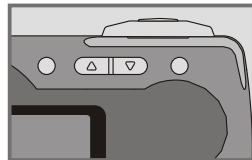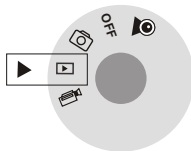
☞ ● Your camera will automatically playback AVI file when an AVI file is selected. To stop playing it back, simply press either △ or ▽.

Deleting Files

1

2

Press Menu Control

7/20

3

Delete one file

Eins löschen

Delete all files

Format CF Card

Exit
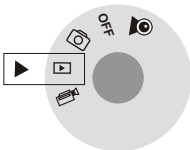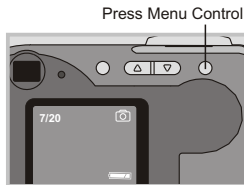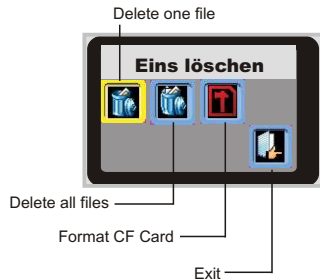
(1) Rotate <Mode Dial> to ▶ (Playback Mode).
(2) Press △ (♀) or ▽ (♀) to shift between files.
(3) Press <Menu Control> to enter Delete mode.
(4) Press <Menu Control> again to delete one file.

☞ ● In Delete mode, press △ (♀) or ▽ (♀) to shift between modes. Press <Menu Control> to select the mode.

! All recorded files will be completely lost if you format your card or delete all files.

Focus

In order to take the best pictures, please switch to proper focus in accordance with the reference ranges as below.
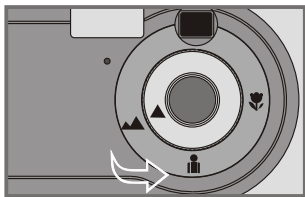
59"~ ∞ (150cm~∞)

31" ~ 59" (80cm~150cm)

16"~31" (40cm~80cm)

Zoom In & Zoom Out

Zoom

1

2 Press zoom button
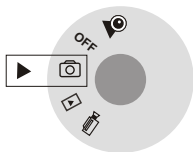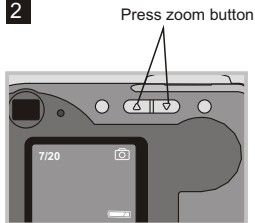
3
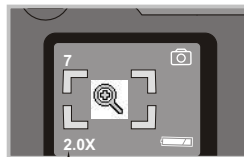
1.0X~4.0X

(1) Rotate <Mode Dial> to 🔘 (DSC Mode).
(2) Press and hold 🔽 (♀) to zoom in preview image. Or press 🔼 (♀) to zoom out preview image.
(3) Zoom setting ranges from 1.0X to 4.0X.

Taking Nice Pictures

❶ Keep the focus set to ▲▲👤 except for extreme close-ups.

❷ Make sure your subject is well lit from the front.

❸ Keep the camera level and steady when releasing the shutter.

❹ Make sure you have adequate light when taking still pictures or movies.

❺ For best quality video, move the camera slowly during filming.

Make sure you have adequate light
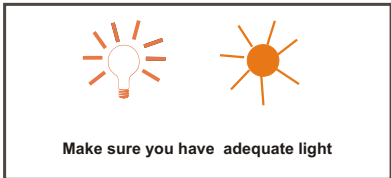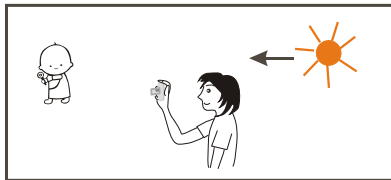
Power

Battery Indicators

Full   Out of power

DC Jack
"Use DC Jack to playback images and get the TV out function working only. It does not charge the batteries."

LCD ON/OFF

To reduce power consumption, LCD will enter suspend mode when idle over 30 seconds. Press LCD ON/OFF button to wake up LCD.

☞
- When not using your camera for extended periods, we suggest you remove the batteries.
- Your camera will automatically turn off when idle over 3 minutes. To wake up your camera, press <Menu Control>.
- LCD will enter suspend mode when idle over 30 seconds. Press LCD ON/OFF button to wake up LCD.

Power Notice for 2 AA Alkaline Batteries
- Flash on: 300 times
- Still pictures: 1600 pictures
- LCD on: 1.5 hours

LCD ON/OFF Button

7/20
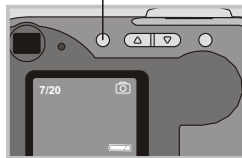
Memo

Menu Setting

How to Enter Menu Setting

Press Menu Control
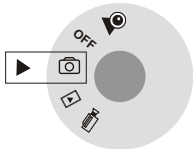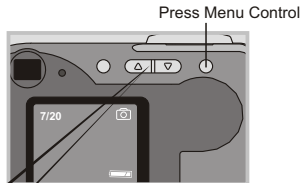
Use these two buttons to shift between modes.

Auflösung

① Resolution	⑤ Exposure
② Self Timer	⑥ EV Compensation
③ Flash Strobe	⑦ User Setting
④ Date Stamp	⑧ Exit

(1) Rotate <Mode Dial> to ⬛ (DSC Mode).

(2) Press <Menu Control> to enter Menu setting.

(3) Press ⬛ (☐) or ⬛ (☐) to shift between modes.

(4) Press <Menu Control> to enter a mode and then press <Menu Control> again to select the mode.

Resolution

Press Menu Control

Auflösung

Resolution mode

Gut

Highlight resolution   Exit
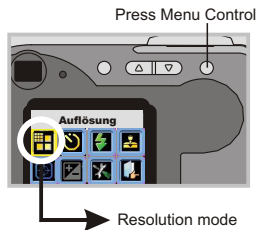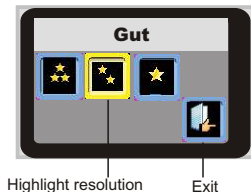
(1) Highlight " Resolution" mode
(2) Press <Menu Control> to enter " Resolution" mode.
(3) Press ⬆ (☺) or ⬇ (☺) to highlight ★★ (3Mega),
     ★ (2Mega) or ★ (800,000).
(4) Press <Menu Control> to select resolution.

★★	3 Mega resolution (2048x1536 pixels)
★	2 Mega resolution (1600x1200 pixels)
★	800,000 resolution (1024x768 pixels)

Resolution

Still Pictures & AVI Storage Capacity

16 MB CF Card as example 📷	Still Pictures
★★	Up to 12 pictures
★	Up to 20 pictures
★	Up to 50 pictures

16 MB CF Card as example 🎥	AVI Movies
Recording Time	Up to 4 minutes

Self Timer

1 2
Press Menu Control

Selbstauslöser

Self Timer mode

3
Selbstauslöser Ein
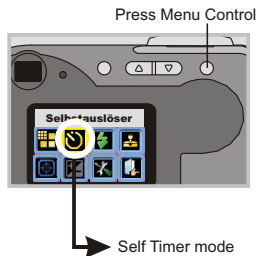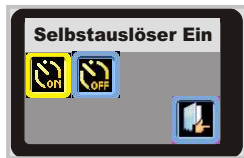
4
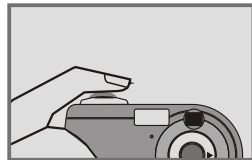
(1) Press ⬆ (⊖) or ⬇ (⊕) to highlight " Self Timer " mode

(2) Press <Menu Control> to enter " Self Timer " mode.

(3) Highlight 🔲 .

(4) Press <Menu Control> to select " Self Timer On" mode

(5) Press the shutter button and counter will count ten

seconds and automatically take the photo.

(6) After taking a picture, the camera switches the automatic "Self timer" off 🔲 .

Flash Strobe

Press Menu Control

Flash Strobe

AUS

Auto flash

Flash off

Anti red eye

Exit
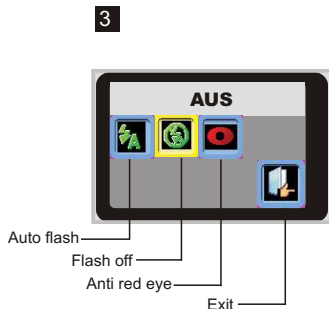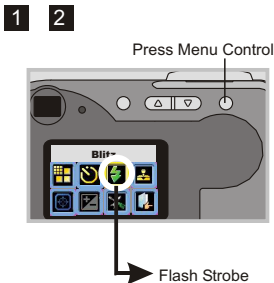
(1) Press ⬜ (☖) or ⬜ (☖) to highlight " Flash " mode
(2) Press <Menu Control> to enter " Flash " mode.
(3) Press ⬜ (☖) or ⬜ (☖) to highlight either one of the modes.
(4) Press <Menu Control>.

Auto flash	Use automatic flash mode to determine correct exposure.
Flash off	No flash strobe even when in dark or light scenes.
Anti red-eye	Anti Red-eye can remove Red-eye phenomenon occurs in photographs.

Date Stamp

Press Menu Control

Datum Einstell...

Date Stamp Mode

Datumaufdruck Ein
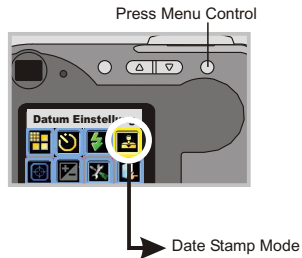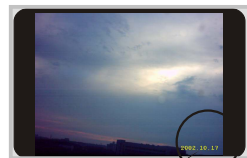
2002.10.17
Year/Month/Day

(1) Press ⬜ (🔍) or ⬜ (🔍) to highlight " Date Stamp " mode
(2) Press <Menu Control> to enter " Date Stamp" mode.
(3) Highlight 🟡 or 🔵 .
(4) Press <Menu Control>.

🟡	Put date stamp on your image file.
🔵	No date stamp on your image file.

Exposure

Press Menu Control

Belichtung
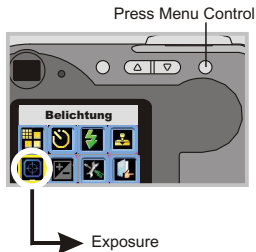
Exposure

(1) Press ⬛ (☺) or ⬛ (☺) to highlight
  " Exposure " mode
(2) Press <Menu Control> to enter " Exposure"
  mode.
(3) Press ⬛ (☺) or ⬛ (☺) to highlight
  , or .
(5) Press <Menu Control>.

Auto

	Auto	This function will automatically select backlight or average metering.
	Backlight	This function determines the correct exposure for a given photograph which gives more importance to the meter reading at the centre of the frame than to its periphery.
	Average	This function takes a light reading from many different areas of a picture frame and produces an integrated reading which will take into account the differences within the frame.

EV Compensation

EV Compensation allows adding or subtracting evaluation values (EV) for an image. Usually you use this method to bring out details in dark zones or lessen the intensity of bright zones.
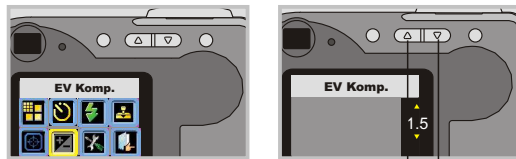
(In dark zones) Add EV Comp

(In bright zones) Subtract EV Comp

(1) Press ◺ (♀) or ▽ (♀) to highlight " EV Comp " mode
(2) Press <Menu Control> to enter " EV Comp " mode.
(3) Press ◺ (♀) or ▽ (♀) to add or subtract EV Comp.
(5) Press <Menu Control>.

User Setting

Several settings including date setting, buzzer setting, flicker setting and color system can be reset in this mode.

User Setting ◄

Date Setting

Press <Menu Control> to highlight year, month, date and time. Press ⬜ (♀) or ⬜ (♂) to add or subtract the number of year, month, date and time.
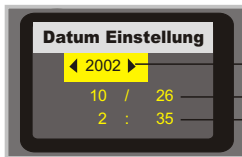
Year
Month/ Day
Hour/ Minute

Buzzer

Highlight and then press <Menu Control> to turn off buzzer.

User Setting

Flicker Setting

Flicker setting is country specific. Improper flicker setting will cause the LCD display or PC screen to flicker. Please refer to the table to adjust flicker setting.

Country	England	Germany	France	Italy	Spain	Netherlands
Setting	50Hz	50Hz	60Hz	50Hz	50Hz	50Hz
Country	Portugal	America	Taiwan	China	Japan	Korea
Setting	50Hz	60Hz	60Hz	50Hz	50/60Hz	60Hz

TV Color System (PAL/NTSC)

Color system is also country specific. It's important to know what kind of TV color system you use (PAL or NTSC) and the color system setting of your camera is supposed to go with TV color system. Improper color system will cause TV display problems. Please refer to the table to adjust color system setting.

NTSC	America, Taiwan, Japan and Korea, etc.
PAL	Germany, England, Italy, Netherlands, China, Japan and Hongkong, etc.

User Setting

Change the language of the interface

(1) Rotate <Mode Dial> to 🖸 (DSC Mode).

(2) Press <Menu Control> to enter Menu setting.

(3) Press ▲ (🔆) or ▽ (🔆) to select the 🔧 icon, and then press <Menu Control> to enter the mode.

(4) Press ▲ (🔆) or ▽ (🔆) to select the **De** icon, and then press <Menu Control> to change the language of the interface.

TV out Mode

Connect your camera and TV via TV out cable for real time display. In TV out mode you can take still pictures and record AVI Movie, and further on you can share recorded AVI Movies and pictures with your family and friends.

(1) Change the color system of your camera the same as the TV color system. (either PAL or NTSC)
(2) Turn on your TV and switch TV mode to AV-in mode.
(3) Please plug in AV cable to your TV first and then plug in the camera.
(4) Turn on the camera.

In TV out mode, you can rotate <Mode Dial> to take still pictures, record AVI Movies or playback files.
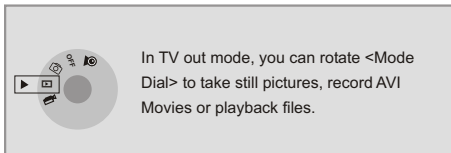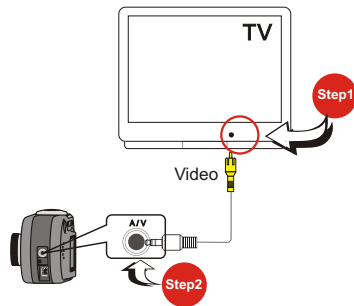
Installation

- ■ *Software Installation*
- ■ *Hardware Installation*
- ■ *Mass Storage (MSDC)*
- ■ *Launching the Camera Manager*
- ■ *Mode Selecting*
- ■ *Troubleshooting*

Software Installation

Installing the 3 Mega Digital Camera

(1) Insert the CD-ROM in your CD drive. The Installation menu should open automatically.

(2) Click to start 3 Mega Digital Camera Installation.

(3) Follow the onscreen instructions to complete Installation.

(4) Click " Yes" to install Direct X 8.1. This will restart your PC.

(5) icon will appear on PC desktop after Installation.
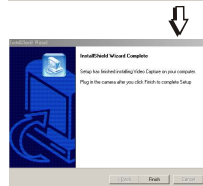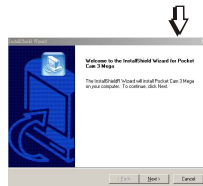
Click on " Finish" to complete installation.

Hardware Installation
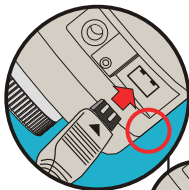
❶ Connect the smaller end of the USB cable to the USB port of your camera.

❷ Plug the larger end of the USB cable to the USB port of your PC.
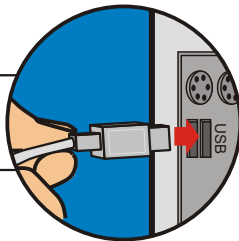
Hardware Installation

MS Windows XP/ME/2000 Users

(1) Installing " USB Mass Storage Device " Driver
   1. Connect your camera and PC via USB cable.
   2. Your PC will automatically install " USB Mass Storage Device"
      driver and complete " removable disk " installation. Your PC
      will add a " removable disk " under " My computer" icon.

(2) Installing " PC Camera" Driver:
   1. Connect your camera and PC via USB cable.
   2. During hardware installation, please rotate <Mode Dial>
      to 🎥 to continue hardware installation.

(3). Please follow the onscreen instructions to complete hardware
     installation.

Hardware Installation

MS Windows 98 SE Users:

(1)   Installing " USB Mass Storage Device " Driver
    1. Connect your camera and PC via USB cable.
    2. Please follow the onscreen instructions to complete
       " removable disk " installation. Your PC will add a
       " removable disk " under " My computer" icon.

(2)   Installing " PC Camera " Driver
    1. During hardware installation, please rotate <Mode
       Dial> to ⚉ to continue hardware installation.
    2. MS Window 98SE users may be asked to insert
       licensed 98SE CD-ROM in your CD Drive.

Mass Storage (MSDC)

While connecting to PC, your camera also serves as a removable disk (Mass storage). Excepting ⬛ mode, rotate to the other four modes, your camera will serve as a removable disk.

Mass Storage Mode ▶
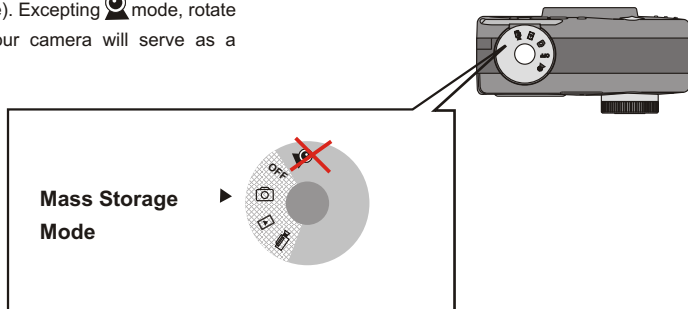
(1) Rotate <Mode Dial> to either DSC, AVI or Playback mode.
(2) Double-click "My Computer" on the desktop.
(3) Double-click "Removable Disk" under "My Computer.
(4) Double-click " DCIM" and then enter " 100MEDIA ". You'll find all files in this folder.

Launching the Camera Manager

Follow the following two ways to launch your camera Manager,
3 Mega Digital Camera (If the program doesn't automatically launch).

❶ Click the " 🔳 " icon on the Desktop to execute the
program where you can begin to use your camera.

OR

❷ Click on the "Start" menu and go up to "Programs".
Then go to the folder named " 3 Mega Digital Camera"
and select it.
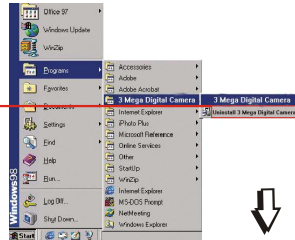
☞ ● To uninstall 3 Mega Digital Camera,
select " Uninstall 3 Mega Digital Camera "

Mode Selecting

Album Mode

PC Camera Mode

› Rotate <Mode Dial> to 📷 to change the camera to PC Camera mode.

› Rotate <Mode Dial> to ▶ mode to change the camera to Album mode.

Album Mode
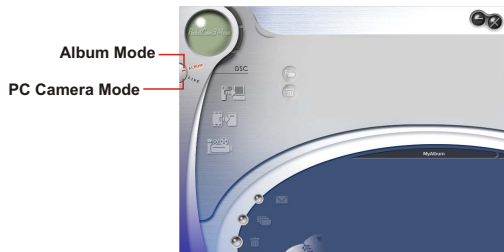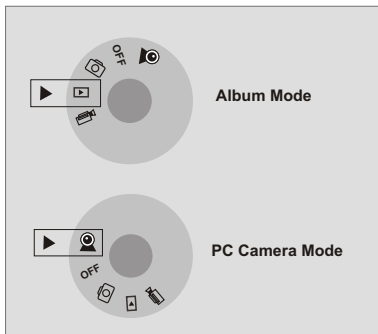
PC Camera Mode

This message will appear when you rotate <Mode Dial> to PC camera mode. Please click "OK".
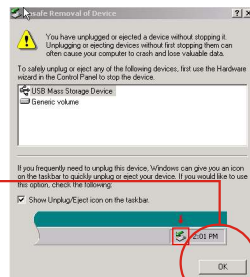
Album Mode

Downloading pictures and movies

Album Mode

1. Make sure your camera is connected to your PC via the USB cable.

2. Set the 3 Mega Digital Camera to Ablum mode.

3. A dialogue box will pop up and ask if you want to download photos from your camera.
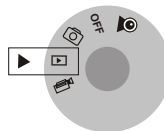
4. Check " Enhanced " to enhance your images from 3 Mega to 4 Mega, from 2 Mega to 3 Mega, or from 800,000 to 2 Mega. This enhanced format offers higher quality images, but also require more disk space.

Click this button to launch the dialogue box

DSC

Do you want to download photos from camera?

☐ Enhanced

OK   Cancel

Click OK
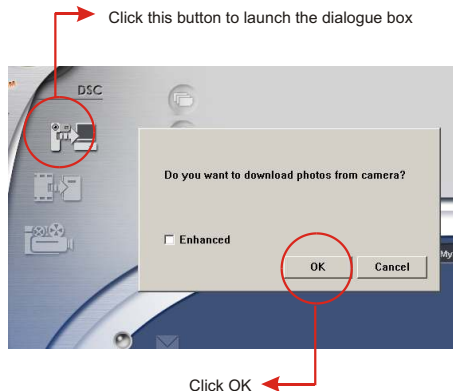
Album Mode

(1) Album Mode
(2) Transfer images to the work area
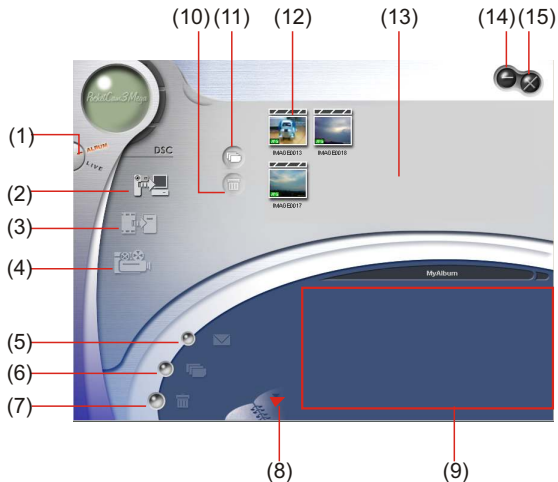(3) Transfer images to the album
(4) Create AVI file
(5) Send Mail
(6) Select All
(7) Delete
(8) Album Manager
(9) Album
(10) Delete
(11) Select All
(12) Image
(13) Work area
(14) Minimize
(15) Exit

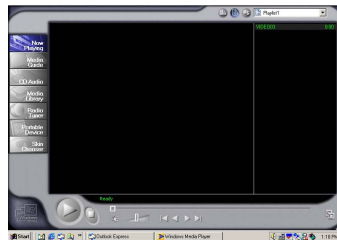# Album Mode

Viewing pictures

Double-click any picture or movie to launch the
viewer.

Next picture
Previous picture
Slide Show

Exit

Viewing movies

Double-click any AVI movie to automatically
launch the movie in your default media player.

Album Mode

Album Manager

1. Highlight a picture on the work area and click [icon] to transfer to the Photo Album.
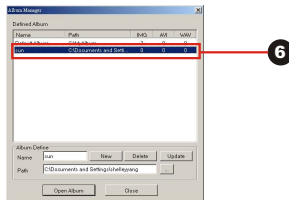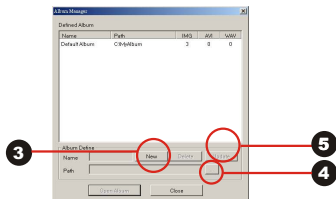
2. Click the Album Manager [icon] to create a new Photo Album.

3. Key in a new album name. Then click the function "new".

4. Click **4** to designate a path where the album will be stored.

5. Click " Update" **5** to confirm the new album is created.

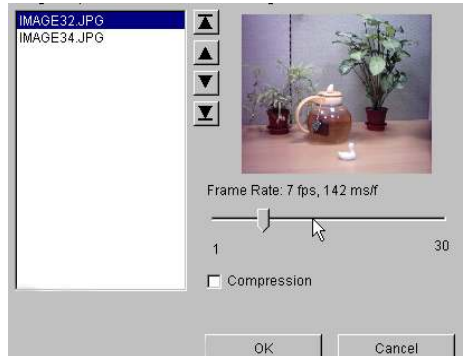6. Click **6** to enter the new created album.
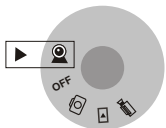

2 Album Manager
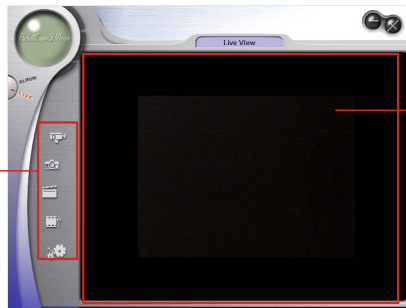
Album Mode

Creating AVI files

1. Select jpg / bmp images from the work area.

2. Click ![icon] to load the images to the AVI File Manager.

3. Order the image sequence, and adust the frame rate.

Frame Rate: 7 fps, 142 ms/f

1   30

☐ Compression

OK   Cancel

IMAGE32.JPG
IMAGE34.JPG

PC Camera Mode

› Rotate <Mode Dial> to ☻ to change the camera to PC Camera mode.

Preview Window

Record live video

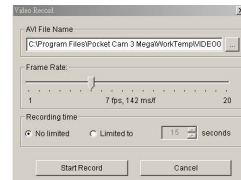Capture live still image

Set image size

Advanced settings (default settings recommended)

Select video source (if you have more than one image import device installed)

● Steps

1. Press

2. Adjust recording speed and time.

3. Press " Start to Record ".

PC Camera Mode

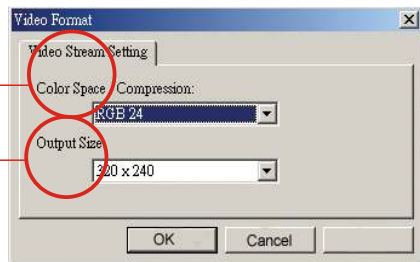⬚ 🎬 **Set Image Size**

● **Color Space**

Select one of the following functions when you have different needs.

- RGB 24: better image quality
- I420: faster speed

● **Output Size**

Setting output size can change the size of the preview window. The default size is 320x240. Choose larger pixels when you need a larger preview window.

```
320 x 240
640 x 480
```

Video Format ✕

Video Stream Setting

Color Space / Compression:

RGB 24 ▼

Output Size

320 x 240 ▼

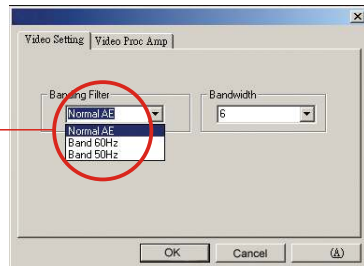OK   Cancel

PC Camera Mode

Advanced settings

● **Video Setting**

- Banding Filter:
When your PC screen flickers, please change the
banding filter in Video Setting. The refresh rate (the
number of times the screen is redrawn per second) is the
most likely cause of flicker. Select 50Hz or 60Hz until
your PC screen stops flickering.

● **Custom Video Pro Amp**

You can use the default setting or change settings
(brightness, contrast, saturation, sharpness, and hue)
on your own.