

MINOLTA

*Digital Camera*

***Dimâge-Pic***

**E** Software Instruction Manual

Windows Version

Thank you for purchasing the Minolta Dimâge-Pic with the Dimâge-Pic image control software. This software is the driver software for exchanging data between the camera and your computer. The software enables you to:

- Display thumbnail previews of images on the computer monitor.
- Copy camera images to your hard drive or removable media (floppy disk).
- Delete images stored on the camera. Trigger the camera's shutter remotely with the computer.
- Save your images in a variety of convenient file formats.

Please take the time to read through this instruction manual so you will be able to take full advantage of the features.

This manual assumes you have a working knowledge of Windows® and its operating conventions. Familiarity with the mouse and standard Windows® menus and commands is necessary before operating the Dimâge-Pic image control software. This manual does not instruct in the basic use of personal computers, Windows® 95, or Windows® 3.1.

The examples in this manual use Windows® 95. The appearance or commands of some screens may differ from the examples when using windows® 3.1.

Windows®, Windows® 95, and Windows® 3.1 are registered trademarks of Microsoft Corporation. The official name for Windows® is Microsoft® Windows® Operating System.

Every necessary precaution has been taken to ensure the accuracy of this manual. Please contact us if you have any questions, find any mistakes, or notice missing information. Minolta is not responsible for loss, damage, or other results caused by operation. No part of books, magazines, music, or other productions that were released under copyright may be used, copied, or changed without the prior permission of the author, copyright holder, or the successor to the copyright holder except for personal, home, or equivalent use.

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## BEFORE YOU BEGIN

### CHECKING THE PACKING LIST

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Check the packing list before you begin. If some parts are missing, contact your camera dealer or a Minolta Service Facility.

- Dimâge-Pic Digital Camera
- Video Cable VC-P1
- Camera Case CC-P1
- Warranty/Product & Software Registration Card
- Dimâge-Pic Image Control Software CD-ROM
- Serial Cable SC-P1W for Windows
- Serial Cable SC-P1M for Macintosh
- Hand Strap HS-P1

### SOFTWARE REGISTRATION

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Please register this software before using it.

You will receive technical support, as well as software upgrade and product information once this software is registered. Complete and return the enclosed Product & Software Registration form after detaching it from the Warranty. No postage is necessary.

- The information provided in the questionnaire will only be used for Minolta customer service and product research & development. The information you provide will be kept private and confidential.

### SYSTEM REQUIREMENTS

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To use the Dimâge-Pic image control software, you need:

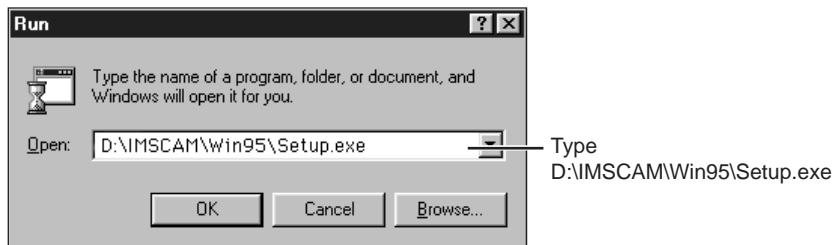
- IBM PC/AT compatible with a 486 or higher processor.
- Microsoft Windows 95, Windows for Workgroups 3.11, or Windows 3.1.
- A minimum of 16MB available RAM.
- A minimum of 17MB available hard disk space.
- SVGA monitor (with true-color display card).
- CD-ROM drive.
- RS-232C serial port with high-speed card (D-sub 9-pin).
- Mouse or other pointing device.

# INSTALLING THE SOFTWARE

## WINDOWS 95

The installation instructions assume the CD-ROM drive is the D drive and the hard disk is the C drive.

1. Turn on the computer and start Windows 95.
2. Insert the Dimâge-Pic Image Control Software CD-ROM into the CD-ROM drive.
3. Select **Run...** from the **Start** button.
  - The Run dialog box will appear.



4. Type **D:\IMSCAM\Win95\Setup.exe** in the **Open** drop-down list, then click on **OK**.
  - The Welcome dialog box will appear.
5. Click on **Next>**.
  - The User Information dialog box will appear.
6. Enter the required information, then click on **Next>**.
  - The Registration Confirmation dialog box will appear.

7. Click on **Yes**.

- The Select Components dialog box will appear.



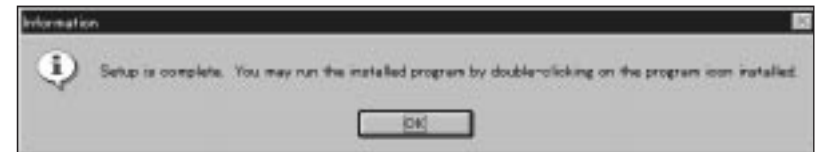
8. Confirm the Destination Directory, then click on **Next>**.

- The Select Program Folder window will appear.

9. Confirm the folder name, then click on **Next>**.

- The Setup window will appear and a bar graph will report progress.

10. When installation is complete, the following message will appear. Click on **OK**.



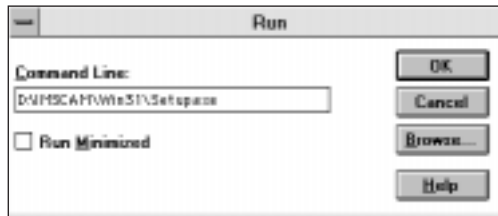
- When uninstalling the software, be sure to delete the c:\imscam folder. It is not removed by the uninstaller.

## INSTALLING THE SOFTWARE

### WINDOWS 3.1

The installation instructions assume the CD-ROM drive is the D drive and the hard disk is C drive.

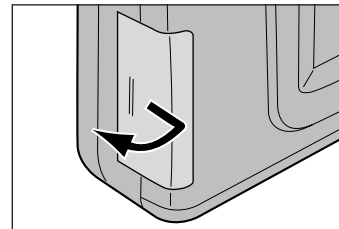
1. Turn the computer on and start Windows.
2. Insert the Dimâge-Pic Image Control Software CD-ROM into the CD-ROM drive.
3. Select **Run..** from the **File** menu in the Program Manager and type **D:\IMSCAM\Win31\Setup.exe** in the **Command Line** box. Click on **OK**.



- The Welcome dialog box will appear. Click on **Next>**.
  - The Choose Destination Location dialog box will appear.
4. Confirm the destination, then click on **Next>**.
    - The Select Components dialog box will appear.
  5. Click on **Next>**.
    - The Setup window will appear with a bar graph to report progress.
    - A message informing you the install is complete will appear. Click on **OK**.
    - A message informing you setup is complete will appear. Click on **Finish**.
- ⚡ When uninstalling the software, be sure to delete the c:\imscam folder. It is not removed by the uninstaller.

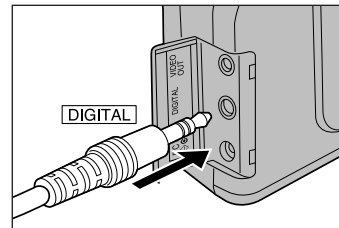
## CONNECTING

Use the SC-P1W serial cable, included in this package, to connect the Dimâge-Pic to your computer.

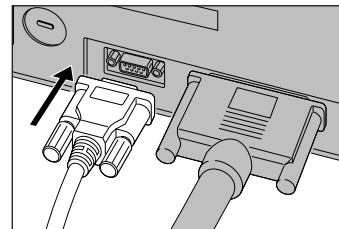


1. Turn off the Dimâge-Pic and your PC.

2. Open the terminal cover as shown.



3. Insert the jack-plug end of the serial cable into the digital out terminal on the camera.





4. Plug the D-sub 9-pin end of the cable into the serial port (COM port) of the computer.

- Make sure the cable is securely attached to the camera and the computer.

- ⚡ It may be necessary to specify the selected COM port in Setup (p 11).
- ⚡ If the cable is disconnected during operation: turn the camera off, connect the cable, then turn the camera back on.

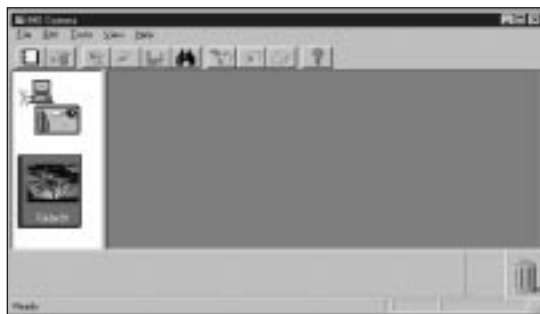
## STARTING THE APPLICATION

1. Connect the camera to the computer (p 7).
2. Turn the camera on, then turn the computer on.
3. **For Windows 95:**  
From the **Start** button, select **Programs**, then select  IMS Camera from the submenu and  IMS Camera from the second submenu.

### For Windows 3.1:

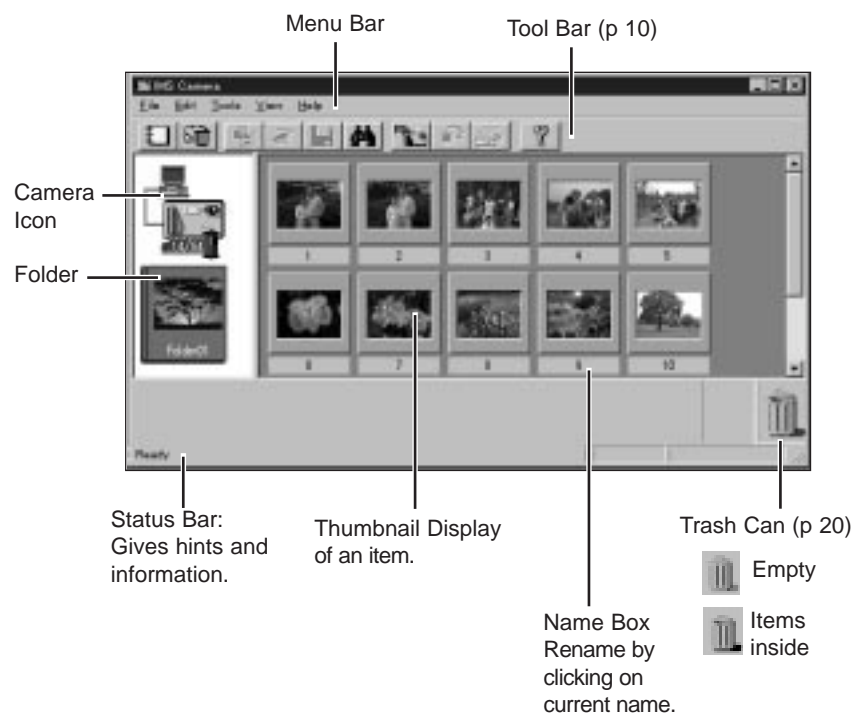
Double-click on the IMS Camera program group in the Program Manager, then double-click on the IMS Camera icon.

- The IMS Camera main window will open.












## IMS CAMERA MAIN WINDOW

The graphical user interface lets you recognize functions at a glance.



- Use the functions in the **View** menu to show or hide the Name Boxes (for folder items only), Toolbar, or Status Bar.

## MAIN WINDOW TOOLBAR

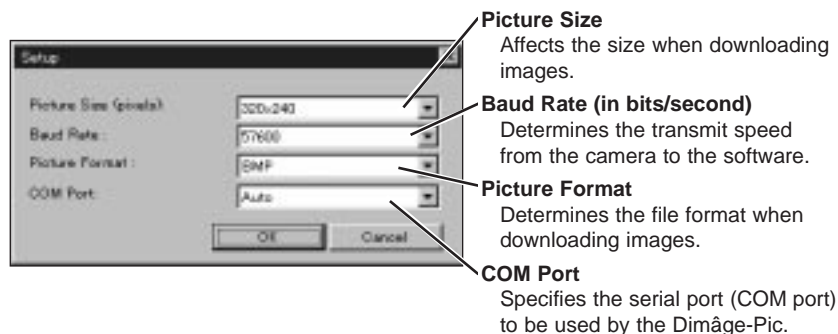
-  **New Folder** - Create a new folder. Rename the folder by clicking on the current name.
-  **Delete Folder/Eraser All Pictures** - Put the selected folder and contents in the trash/permanently erase the camera images.
-  **Add Item** - Add an image file from the hard disk or floppy disk to the selected folder.
-  **Delete Item** - Delete an image from the folder or erase an image from the camera.
-  **Export** - Copy an image from a folder to another location on the hard disk or to a floppy disk.
-  **Find** - Find an image within the IMS Camera software.
-  **Take a Picture** - Trigger the camera's shutter remotely. The camera must be in REC mode.
-  **Rotate 90°** - Rotate an image in a folder 90° clockwise.
-  **Print Current Folder** - Print a 'contact sheet' of all the thumbnail displays in the selected folder.
-  **Help** - Display the Help Topics for IMS camera.

## SETUP

Before downloading the images from the camera to a folder (p 13), you should first confirm the Setup settings. The settings will determine the size and file type of the final image.

### 1. From the **Tools** menu, select **Setup...**

- The Setup dialog box will appear.



### 2. Enter the desired settings, then click **OK**.

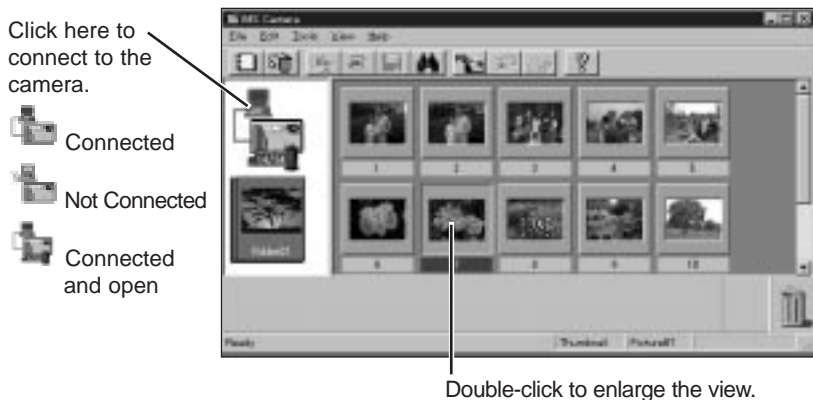
- ✎ The entered settings apply to the downloaded images. The images inside the camera are not changed. You can change the settings and download more images (or the same images) using different settings.
- ✎ File Formats: BMP images are supported by Windows through Microsoft Paint. JPG images are compressed, so the file size is smaller. TIF is a widely supported format capable of maintaining professional-quality color.
- ✎ The default COM port setting is Auto. Use the Settings dialog box to select a specific COM port if necessary.

## VIEWING CAMERA IMAGES

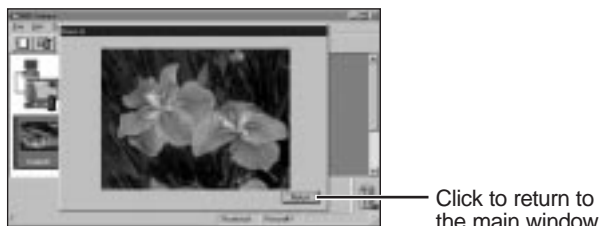
Display thumbnail previews of the images in the camera.

### 1. Click on the camera icon.

- The software will connect to the camera and begin downloading images to the IMS Camera main window.



### 2. Double-click on a thumbnail image to zoom in.



- ⚡ If the thumbnails and images appear abnormal, select a lower baud rate in Setup (p 11), then click on the camera icon again.

## DOWNLOADING CAMERA IMAGES

The folders inside the main window make it fast and easy to download images from the camera. The folder images can also be accessed quickly so they can be exported (p 18) or printed (p 24).

### DOWNLOADING TO A FOLDER

#### 1. Click on the image to be downloaded to the folder.

- Select multiple images by pressing the *Ctrl* key while clicking on images. Select groups of images by clicking on the first and the last images while pressing the *Shift* key. Deselect an image by clicking on it again while holding the *Ctrl* key.
- A border will appear around the selected images.

#### 2. Drag the image to the folder icon, then drop it in.

- Images placed in the folders are saved on the hard disk in **c:\imscam\data**.
- The image will be saved in the file type and size selected in setup (p 11).



#### 3. Click on the folder to view thumbnail displays of the folder contents.

#### 4. Double-click on a thumbnail to see the full-size image.

- The Viewer window will open and the full-size image will appear (p 21).

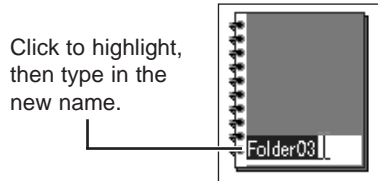
# FOLDERS

## CREATING/NAMING A FOLDER

---

1. Click on the New Folder button  in the toolbar.

- The new folder will appear in the folder area.




2. Click on the folder name to highlight it, then type in the new name.

- ✎ Folders can be renamed at any time.

## ADDING ITEMS TO A FOLDER

---

1. Add new items to the folder by clicking on the New Item button  in the toolbar.

- The Add Item dialog box will appear.

2. Select the desired item from the appropriate directory, then click on **Open**.

- Only JPG, TIF, and BMP files can be added. Do not attempt to add JPG or TIF files that are not in RGB or grayscale mode.

## MOVING/COPYING FOLDER ITEMS

---

Move items between folders by dragging them and dropping them into their new location. Select multiple items by pressing the *Ctrl* key while selecting.

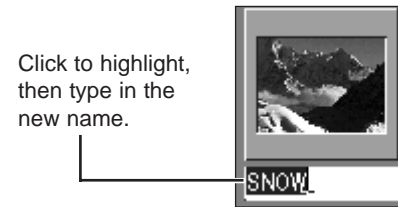
Copy items by pressing the *Ctrl* key while dragging and dropping them into another folder.

## RENAMING FOLDER ITEMS

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Folder items can be renamed at any time.

Click on the item name to highlight it, then type in the new name.




- ✎ Two items of matching file types cannot share the same name, even if they are in different folders.

## DELETING ITEMS FROM A FOLDER

---

1. Select the item to be deleted by clicking on the thumbnail.


- Select multiple images by pressing the *Ctrl* key while clicking on images.
- A border will appear around the selected item.

2. Click on the Delete Item button  in the toolbar.

- The item will be moved into the trash can (p 20).

## DELETING A FOLDER

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Click on the folder to select it, then click on the Delete Folder button  in the toolbar.

- The entire folder contents will be moved to the trash can (p 20).

## FOLDERS

### SAVING YOUR WORKSPACE

Your workspace is the collection of folders and items in the IMS Camera main window. When IMS camera is closed, changes made in the folders (new/deleted folders, added/deleted items) are automatically saved. However, should the application quit unexpectedly (power to the PC is turned off, the PC crashes) the changes will be lost. To protect the workspace changes without closing the application, save the workspace often.

From the **File** menu, select **Save Workspace**.

### FINDING FOLDER ITEMS

The find command makes it possible to search for an item by name without having to look through each folder.

1. Click on the Find button  in the toolbar.

- The Find dialog box will appear.



**Up** - the search will start at the last folder/last image.  
**Down** - the search will start at the 1st folder/1st image.


2. Enter the name of the item you want to find and click on the desired option buttons and check boxes.

3. Click on **Find Next**.

## ROTATING IMAGES

Rotate images in a folder in 90° increments.

1. Click once on the desired image to select it.

2. Click on the Rotate button  in the toolbar.

- The image will rotate 90° clockwise.



- Continue clicking on the Rotate button to rotate the selected image 180° and 270° clockwise.


- The rotate function can also be selected from the **Tools** menu.

## EXPORT/SAVE

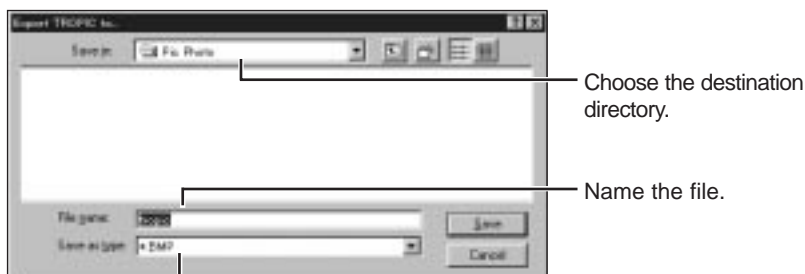
Images in a folder can be saved to the directory of your choice.

1. Select the thumbnail of the desired image by clicking on it once.

- Only one image at a time can be selected for export.

2. Click on the Export button  in the toolbar.

- The Export dialog box will appear.



Choose the destination directory.

Name the file.

The available file type will vary with the Setup settings used when the image was downloaded (p 11).

3. Select the directory where the file will be saved and enter the desired file name in the **File name** box.

4. Click on **Save**.

- The image will be saved in the selected directory.

- ✎ The image will be saved in the file type selected in setup when it was downloaded to the folder (p 11).

## REMOTE CAMERA OPERATION

### TAKING PICTURES

Take pictures with the camera from your computer.

1. Use the camera's record/play switch to set the camera to REC.

2. Click on the camera icon in the main window.

3. Click on the Take a Picture button  in the toolbar.

- When the camera is finished processing, the thumbnail display for the new image will appear automatically.



### ERASING IMAGES

Erase selected images from the camera or delete all of the camera contents.

1. Use the camera's record/play switch to set the camera to PLAY.

2. If deleting selected images, select the image to be deleted by clicking on the desired thumbnail.

- A border will appear around the selected item.

3. Click on the Delete Item  button in the toolbar. If erasing all the images, click on the Erase All Pictures button  in the toolbar.

- A message will appear, asking you to confirm. Click on **OK**.

- ✎ You can also delete images from the camera by dragging and dropping them onto the trash can (p 20). Unlike folder images, images from the camera cannot be recovered from the trash can; they are permanently deleted.

## TRASH

### THROWING AN ITEM OR FOLDER AWAY

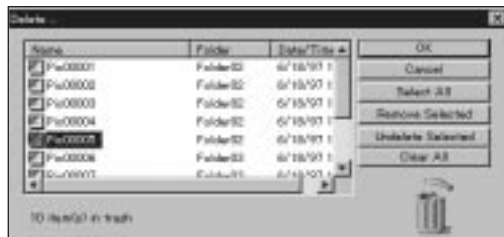
Drag and drop selected items or folders onto the trash can.

- For camera images: A confirmation message will appear. Camera images are permanently deleted when they are put into the trash.

### VIEWING TRASH CAN CONTENTS

Double click on the trash can.

- The Delete dialog box will appear.



### RESCUING ITEMS FROM THE TRASH

1. Click on the name of the item in the Delete window.

- You can also click on **Select All** to select all the items in the trash.

2. Click on **Undelete Selected**, then click on **OK**.

- The item will be returned to the folder from which it was removed.

### EMPTYING THE TRASH CAN

1. Click on the name of the item in the Delete window.

2. Click on **Remove Selected**, then click on **OK**.

- You can also click on **Clear All** to delete all the items in the trash can.

## VIEWER WINDOW

Display the full-size image of a folder item.

### OPENING

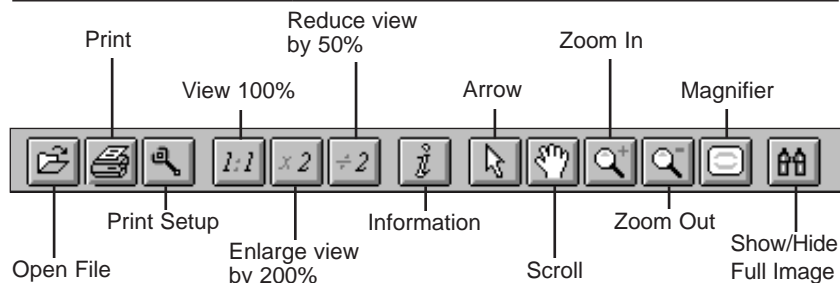
Double-click on the thumbnail preview of a folder item.

- The Viewer window will automatically appear with the full-size image.



- Use the functions in the **View** menu to show or hide the Status Bar, Toolbar, or Full Image window.

### VIEWER WINDOW TOOLBAR



## VIEWER WINDOW

### MAGNIFIER

Use the Magnifier tool to view a section of the image close-up.

1. Click on the Magnifier  button in the toolbar.

- The Magnifier window will appear and a rectangular marquee will appear inside the main image window.




2. Click the mouse to change the position of the magnifier, or drag the magnifier to any location.

- The area inside the magnifier will appear in the Magnifier window. The magnification ratio is 1:4 (400%).

✎ Click on the Arrow button  to cancel the Magnifier.

### IMAGE INFORMATION



When an item is displayed in the Viewer window, click on the Information button  in the toolbar to display information about the file.



# PRINTING

## PRINTING SELECTED IMAGES

Print an image from a folder.

1. Double-click on the thumbnail to display the image in the Viewer Window (p 21).
2. Select the Print Setup  button in the Viewer window.
  - The Print Setup dialog box will appear.
3. Select a printer, the paper size, and image orientation, then click on **OK**.
4. Select the Print  button in the Viewer window.
  - The following Print dialog box will appear.




### PRINT SIZE

**1 to 1:** The image is printed using the printer resolution.  
**Actual Size:** The image is printed using the resolution and dimensions of the image.  
**Fit to Page:** Printed image will match the paper size.  
**Scale:** The image can be printed to a size of 50 - 200% of actual size.

5. Choose the print size and the number of copies.
6. Click on **OK** to print the image.

## PRINTING A CONTACT SHEET

Print all the thumbnail displays for a selected folder. Approximately 36 thumbnails will fit on a letter size page.

1. Click on the desired folder.
2. From the **File** menu, select **Print Setup**.
  - The Print Setup dialog box will appear.
3. Select a printer, the paper size, and image orientation, then click on **OK**.
4. Click on the Print Folder Contents  button in the tool bar.
  - The following Print dialog box will appear.



5. Enter the desired options, then click **OK**.

# TROUBLESHOOTING

What do the error messages mean?

- **Camera disconnected or processing. Please check camera status.**
- **Failed to load pictures.**
- **The camera is not responding. Please make sure the camera is connected and powered on.**

These messages can appear for different reasons:

- The camera is turned off or has no power. Check the AC Adapter or battery condition. Auto Power Off activates if the camera has not been used for 2 minutes.
- The serial cable is not properly connected.
- The wrong COM port is selected in Setup (p 11).
- The camera is still processing a picture that was just taken.
- The transfer rate is improper. Change the Baud Rate in Setup (p 11).

- **Please set at REC mode to take a picture.**

- The record/play switch on the camera is set to PLAY. Slide it to REC to take pictures.

- **Can't rename item as [xxx].**

- A file with this name already exists in one of the folders or in the trash, the original file cannot be opened, or the item cannot be converted to the selected format.

- **Warning. Not recognizable bmp format.**

- IMS Camera does not recognize the file contents in this format.

- **Warning. Not recognizable tif format.**

- IMS Camera does not recognize the file contents in this format. The TIFF image is not RGB or grayscale mode.

- **Warning. Not recognizable jpg format.**

- IMS Camera does not recognize the file contents in this format. The JPEG image is not RGB or grayscale mode.

- **Selected item is already in folder. To add this file into folder anyway, please delete or rename existing item at first.**

- An item with the same name and file type exists in one of the folders or in the trash.

- **Some items do not exist, they will be removed from record!**

- An item has been deleted from the hard drive/floppy disk. Its thumbnail display will be removed.

- **Not enough disk space in driver A:\.**

- The file size is greater than the available disk space.

- **Not supported image type.**

- The file is not in bitmap (BMP), JPEG (JPG), or TIFF (TIF) format.

If the thumbnail previews and images appear abnormal, select a lower baud rate in Setup (p 11), then click on the camera icon again.

MEMO

A large, empty rounded rectangular box with a thin black border, occupying most of the page area below the 'MEMO' header.

MEMO

A large, empty rounded rectangular box with a thin black border, occupying most of the page area below the 'MEMO' header.

**Minoia Co., Ltd.**

**3-13, 2-Chome, Azuchi-Machi, Chuok-Ku, Osaka 541, Japan**

**Minoia Corporation**

**Head Office**

**Los Angeles Branch**

**Minoia Canada Inc.**

**Head Office**

101 Williams Drive, Ramsey, New Jersey 07446, U.S.A.  
11150 Hope Street Cypress, CA 90630, U.S.A.

369 Britannia Road East, Mississauga, Ontario L4Z 2H5, Canada

**Minoia GmbH**

**Minoia France S. A.**

**Minoia (UK) Limited**

**Minoia Austria Ges. m.b.H.**

**Minoia Camera Benelux B.V.**

**Minoia (Schweiz) AG**

**Minoia Svenska AB**

**Minoia Hong Kong Limited**

**Minoia Singapore (Pte) Ltd.**

Kurt-Fischer-Strasse 50, D-22923 Ahrensburg, Germany

365 Route de Saint-Germain, F-78420 Carrières-Sur-Seine, France

Rooksley Park, Precedent Drive, Rooksley, Milton Keynes, MK13 8HF, England

Amalienstrasse 59-61, A-1131 Wien, Austria

Zonnebaan 39, P.O. Box 6000, NL-3600 HA Maarssen, The Netherlands

Riedstrasse 6, CH-8953 Dietikon, Switzerland

P.O. Box 9058, Abbygatan 114, S-17109 Solna, Sweden

Room 208, 2/F, Eastern Center, 1065 King's Road, Quarry Bay, Hong Kong, China

10, Teban Gardens Crescent, Singapore 608923

9222-2759-38

Printed in Taiwan

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