

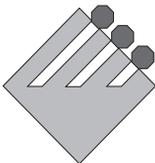
PENTAX Digital Still Camera Utility Software

**ISL_CAM for Windows/Macintosh
Version 1.0**

User's Guide

TWAIN Data Source for Windows
Photoshop Plug-in Bridge for Macintosh

For
Windows 3.1
Windows 95
Windows NT 3.51 and 4.0
Macintosh



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1. Read Me First

Using This Software

Thank you for purchasing the PENTAX Utility Software. This section contains important information on using this software. Please read this guide thoroughly before you begin installation.

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2. System Requirements And Installation

ISL_CAM Windows Requirements

- Windows 3.1 or 95, Windows NT 3.51 or 4.0 (The CD-ROM includes a 16 bit version for Windows 3.1 and a 32 bit version for Windows 95 and NT.)
- 16 MB RAM (32 MB for Windows NT)
- 8 bit color (256 colors) or better
- CD-ROM drive

ISL_CAM Macintosh Requirements

- 68030 processor or better (PowerPC recommended)
- 24 MB RAM
- 8 bit color (256 colors) or better
- CD-ROM drive

Windows 3.1 Installation

1. Start up Windows 3.1 and insert CD-ROM.
2. Run “setup.exe” in the “16 bit” directory.

Windows 95/NT Installation

1. Start up Windows 95/NT and insert CD-ROM.
2. Run “setup.exe” in the “32 bit” folder.

Macintosh Installation

1. Insert CD-ROM.
2. Double-click the “Installer” icon on the CD-ROM.

3. ISL_CAM Features And Notes

Used on a PC or Macintosh computer, this utility inputs and outputs images from/to a digital still camera via a serial interface. This utility has the following features:

- When used alone, it can download images from the camera to a PC or Macintosh computer. Images can also be uploaded from the PC or Macintosh to the camera.
- When used as a TWAIN driver, it can transfer images from the camera to a TWAIN compliant application (Windows.)
- When used as a Photoshop Plug-in module, it can transfer images from the camera to a Plug-in Bridge compatible application (Macintosh.)

Before using ISL_CAM, please note the following:

- Set the camera to PC communication standby status (file

transfer mode) before launching ISL_CAM. (Refer to your camera's operating manual for information on how to set the camera for file transfer.) If you exit ISL_CAM, you will need to reset the camera to file transfer mode if you wish to reinitiate a file transfer.

- Do not turn off the camera during data transmission. If power to the camera is disconnected while transferring images from or to the camera, the memory inside the camera may be destroyed. Therefore, be sure to use the A/C adapter while performing any transfers.

4. Camera Selection/Setup In ISL_CAM

You must set up your selected camera before file transfer. The following steps will guide you in setting up the camera:

Windows

After installation, you can find the ISL_CAM SELECT utility in the Start Menu (Start Menu: Programs: Pentax.) You will also find a TWAIN image import driver available to your applications that support TWAIN.

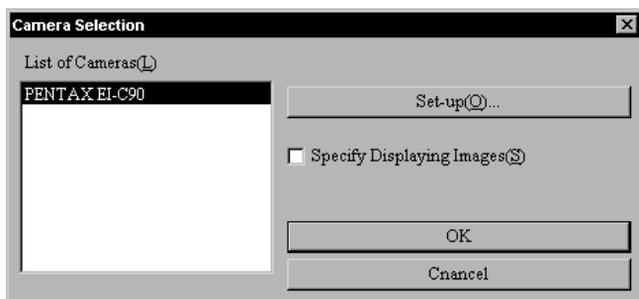
To open the ISL_CAM utility directly:

- Click "ISL_CAM SELECT" on Windows 3.1, or "ISL_CAM [32 bit] (SELECT)" on Windows 95/NT.

To open ISL_CAM through another application using the TWAIN driver (you must refer to your software's documentation for how to acquire images through TWAIN import):

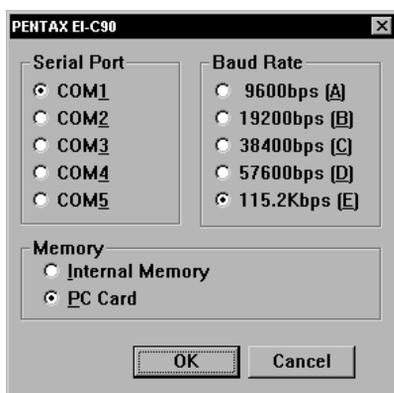
- You will be prompted to select input source. Select "TWAIN 16 Data Source for ISL_CAM" (for Windows 3.1), or "TWAIN 32 Data Source for ISL_CAM" (for

Windows 95/NT.)



Now, the Camera Selection screen is displayed.

Highlight “PENTAX EI-C90” and click “Set-up (O)...” to display the Configuration Screen.



Select the Serial Port to which the camera is attached (usually COM1 - COM4.) Select the Baud Rate for file transfer speed (usually 115.2 Kbps unless your computer is not capable of transferring data at this rate.) Then select the source of the images under the Memory heading. If you have images stored in

both the camera’s internal memory as well as on the PC Card, you will have to first transfer images from one source, then switch to the other source to transfer the remaining images. Click OK to complete the setup procedure, then click OK in the camera selection screen.

Macintosh

After installation, you can find the ISL_CAM utility and related files in the System Folder. You will also find a

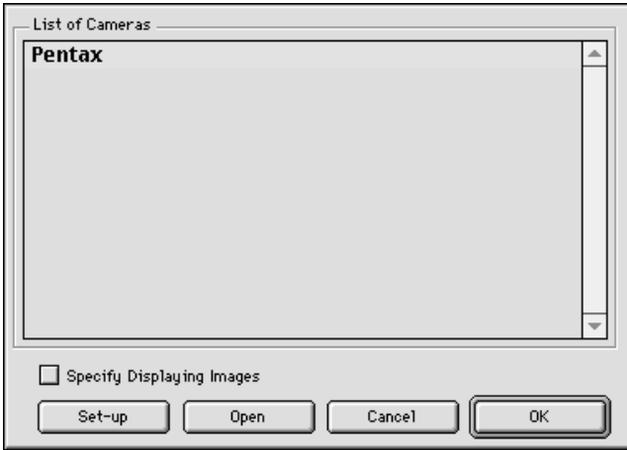
Photoshop plug-in bridge installed in the same folder as your Photoshop plug-ins compatible application. Note, you may need to actually place the plug-in bridge into your plug-ins folder to make it available to your image-editing application.

To open the ISL_CAM utility directly:

- Double click on the ISL_CAM application in your system folder. Then choose Camera Selection in the Camera menu.

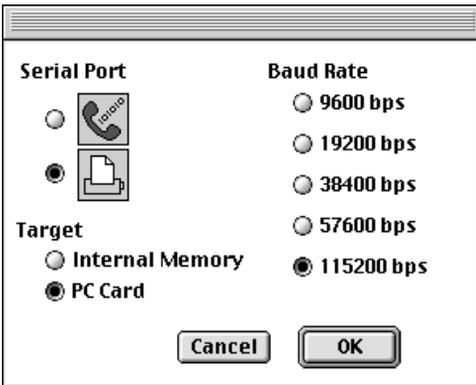
To open ISL_CAM through another application using the plug-in bridge (you must refer to your software’s documentation for how to acquire images):

- Choose Acquire (or Import) “ISL_CAM...” from your application’s Acquire menu.



Now, the Camera Selection screen is displayed.

Highlight “PENTAX” and click “Set-up” to display the Configuration screen.



Select the Serial Port to which the camera is attached (either the Printer or Modem port.) Select the Baud Rate for file transfer speed (usually 115.2 Kbps unless your Mac is not capable of

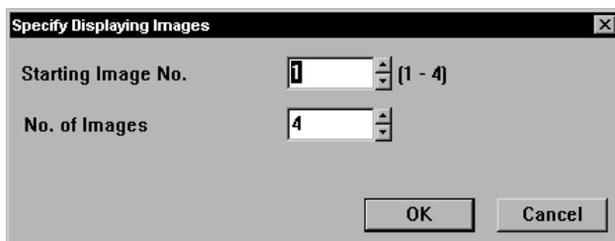
transferring data at this rate.) Then select the source of the images under the Target heading. If you have images stored in both the camera's internal memory as well as on the PC Card, you will have to first transfer images from one source, then switch to the other source to transfer the remaining images. Click OK to complete the setup procedure, then click OK in the Camera Selection screen.

5. Image Transfer: From Camera

Windows

In Windows, if you are using the ISL_CAM utility directly, after selecting and setting up the camera, you will need to then launch "ISL_CAM" (for Windows 3.1) or "ISL_CAM [32 bit]" (for Windows 95/NT) also in the Pentax directory (Start Menu: Programs: Pentax.) For image transfer from within a TWAIN compliant application, clicking OK in the Camera Selection screen will take you immediately into the image transfer process.

Note, if you had check marked "Specify Displaying Images(S)" in the



Camera Selection screen, a separate dialogue box will appear allowing you to choose which starting image you would like to display in the ISL_CAM Main Window.

If everything is setup properly and the camera is connected to the A/C adapter, the ISL_CAM Main Window should appear, and image thumbnails should begin to download. Once all of the thumbnails have downloaded, you can begin image file



transfer.

- Click on the image you wish to download to your computer to select it. You can control-click on multiple images to select them, or you can click on the “Select All” button.
- Click “From Camera” (if you are using the ISL_CAM utility directly) or “Transfer” (if you are importing images through a TWAIN compliant application) to begin the file transfer. Note, if you are using the ISL_CAM utility directly, you will be prompted to select whether you want to save the current image as a bitmap file on your hard disk or directly to the clipboard.
- Enter the filenames for the images when prompted to do so.

The functions of the remaining buttons in the ISL_CAM Main Window are explained as follows:

- The “Copy To” button (only available when using ISL_CAM directly) will allow you to transfer images from your computer to the camera. This function is covered

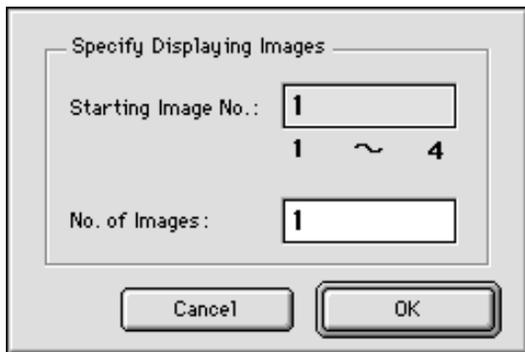
elsewhere in this manual.

- The “Delete” button will delete the selected images from the camera’s memory. **Note, this will erase the images completely from the camera’s storage; be careful not to delete any necessary image.**
- The “Ext. Function” button will allow you to switch the source location for the images. If you have images stored in both the camera’s internal memory and in the PC Card’s memory, this button will allow you to transfer your images from both locations.
- The “Quit” button (if using ISL_CAM directly) or “Cancel” button (if using ISL_CAM through a TWAIN compliant application) will allow you to exit the ISL_CAM utility.
- The “Jump” button will return you to the Specify Image No. screen (if checkmarked in the “Camera Selection” screen.)

Macintosh

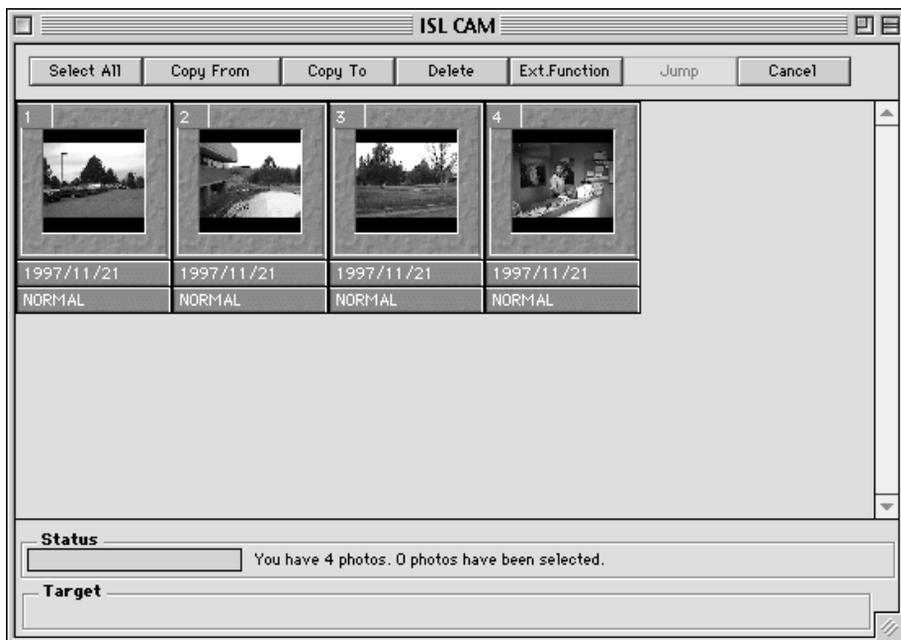
On the Mac, after setting up the camera, you can open the ISL_CAM Main Window by selecting “Open” from the Camera menu, or by clicking on the “Open” button in the Camera Selection screen. Note, ISL_CAM is incompatible with AppleTalk. Before attempting image file transfer, open the Chooser (in the Apple menu) and make sure AppleTalk is inactive.

Note, if you had check marked “Specify Displaying Images” in the Camera Selection screen, a separate dialogue box will appear allowing



you to choose which starting image you would like to display in the ISL_CAM Main Window.

If everything is setup properly and the camera is connected to the A/C adapter, the ISL_CAM Main Window should appear, and image thumbnails should begin to download. Once all of the thumbnails have downloaded, you can begin image file transfer.



- Click on the image you wish to download to your computer to select it. You can control-click on multiple images to select them, or you can click on the “Select All” button.
- Click “Copy From” (if you are using the ISL_CAM utility directly) or “Transfer” (if you are importing images through an application using the plug-in) to begin the file transfer. Note, if you are using the ISL_CAM utility directly, you will be prompted to select whether you want to save the current image as a PICT file on your hard disk or directly to the clipboard.

- Enter the filenames for the images as necessary.

The functions of the remaining buttons in the ISL_CAM Main Window are explained as follows:

- The “Copy To” button (only available when using ISL_CAM directly) will allow you to transfer images from your computer to the camera. This function is covered elsewhere in this manual.
- The “Delete” button will delete the selected images from the camera’s memory. **Note, this will erase the images completely from the camera’s storage; be careful not to delete any necessary image.**
- The “Ext. Function” button will allow you to switch the source location for the images. If you have images stored in both the camera’s internal memory and in the PC Card’s memory, this button will allow you to transfer your images from both locations.
- The “Cancel” button will deselect any currently selected images in the ISL_CAM Main Window. To quit the ISL_CAM utility application, you must choose Quit from the File menu.
- The “Jump” button will return you to the “Specify Image No.” screen (if checkmarked in the “Camera Selection” screen.)

6. Image Transfer: To Camera

Images can be transferred from the computer to the camera using the ISL_CAM utility. When ISL_CAM is used directly (not through another application via the TWAIN driver or plugin), the “Copy To” button becomes active, enabling this feature. You can copy a clipboard image to the camera, or you can copy an image in the bitmap/BMP format (Windows) or PICT format (Macintosh) to the camera.

- In the ISL_CAM Main Window, click “Copy To.”

- Select the image origin (either file or clipboard image.)
- If you select clipboard, file transfer will begin immediately.
- If you select file, you will be prompted to locate the file on your hard drive. Once the file is located, image transfer will begin.
- Once the file transfer is complete, you are returned to the ISL_CAM Main Window.

Note, you cannot upload an image to the camera using ISL_CAM from within an application (via the TWAIN driver or Photoshop compatible plug-in.) You must first save the image in a format supported by the camera (bitmap for Windows, PICT for Macintosh) then exit your image editing application and run the ISL_CAM utility directly.

7. User Support

Program Updates

We post program updates on our Ichikawa Soft Laboratory's home page (<http://www.islnet.co.jp/>) for registered customers to download. We are currently preparing user support via the Internet (as of March, 1997.)

Contacting Ichikawa Soft Laboratory

Email (English Only)

You can write to us at the following address. Please include return address, product serial number, detailed question(s) or a description of the problem you are experiencing, and a description of your computer system's components/configuration.

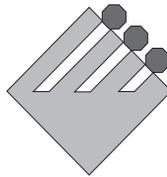
support@islnet.co.jp

PENTAX

Digital Still Camera Utility

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ISL_CAM

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