



Desktop Compact Film Scanner

Operator's Guide



ScanPro 2000 shown with optional combination
fiche, aperture card, motorized 16/35mm roll film

Microfilm ScanPro™

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This device must be disposed of separately in accordance with European Union directive 2002/96/EC.

FCC Compliance Statement:

Note: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Changes or modification not expressly approved by e-ImageData Corp. could void authority to operate the equipment

LIMITED WARRANTY

LIMITED WARRANTY. The manufacturer warrants to the original purchaser that this product is free from defects in material and workmanship, under normal use, providing that service and maintenance is in accordance with the manufacturer's instructions. The period of warranty time shall be as follows:

- Microfilm ScanPro 2000: One year from the date of shipment from the manufacturer's factory or warehouse.
- Combination Roll Film Carriers: One year from the date of shipment from the manufacturer's factory or warehouse.
- Products and items resold by the manufacturer are warranted by the original supplier. The warranty terms and warranty registration materials are included with each item. It is the responsibility of the end user to complete the documentation and to contact the supplier for follow-up service and support. Products included in this warranty category include but are not limited to computers, computer accessories, laser printers, and monitors.

The manufacturer's sole obligation shall be, at the discretion of the manufacturer, limited to the repair or replacement of parts or products manufactured by manufacturer, and which are determined by the manufacturer to be defective within the applicable warranty period. Such defective items must be returned to the manufacturer, after return authorization is obtained from the manufacturer, with shipping and handling charges prepaid.

All items and products returned to the manufacturer for warranty claims require a RETURN AUTHORIZATION NUMBER (RA number) to be issued by the manufacturer's customer service. The RA number must appear legibly on all return cartons. Failure to obtain an RA number or to package the item properly may result in a loss or reduction of credit.

THE LIMITED WARRANTIES CONTAINED IN THIS AGREEMENT ARE IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING ANY REGARDING MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, RELATING TO THE USE OR PERFORMANCE OF THE PRODUCTS. THE MANUFACTURER WILL NOT BE LIABLE FOR PERSONAL INJURY OR PROPERTY DAMAGE (UNLESS CAUSED SOLELY BY THE MANUFACTURER'S NEGLIGENCE) LOSS OF PROFIT OR OTHER INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PRODUCTS.

This limited warranty does not extend to any product which has been subject to misuse, neglect or accident, damage caused by the use of supplies or parts not technically satisfactory, repairs or modifications not approved by the manufacturer. This Limited Warranty does not apply to the following: damage caused in shipping, glass breakage, lamps or supplies which requires periodic replacement due to normal use or wear. The manufacturer does not assume responsibility for consequential damages of any nature and shall not be liable for damages resulting from malfunctions or interruptions in the operation or function of the manufacturer's products.

FOR ALL WARRANTY CLAIMS, THE USER/CUSTOMER SHOULD CONTACT THE SELLING DEALER/DISTRIBUTOR SALES OFFICE. THE DEALER/DISTRIBUTOR SHOULD CONTACT MANUFACTURER'S TECHNICAL SERVICE DEPARTMENT.

UNBOXING INSTRUCTIONS

UNBOXING THE SCANPRO FROM THE SHIPPING CARTON.

- A. Slit tape and open outer box flaps, Fig 1.
- B. Remove ACCESSORIES BOX and REMOVE ALL ITEMS that are inside, Fig1.
- C. Slit tape and open inner box flaps, Fig 2
- D. Remove LEFT and RIGHT INSERTS, Fig 2



- E. GRASP Scanner as shown in Fig 3 with fingers extending under top cover and LIFT out of inner shipping box.
- F. PLACE the Scanner on a sturdy level surface, Fig 4, and remove the protective plastic bag, the retaining tape on the FICHE CARRIER, and foam pad between glass.



Save all packing materials in case you need to move or ship your SCANNER

PRECAUTIONS AND SUGGESTIONS

NOTE: PLACE ON FLAT, EVEN, HARD STURDY SURFACE (NOT CARPETED).

COMPUTER FIREWIRE PORT

We have included a FireWire card (PCI) with your purchase, we highly recommend that you use this card.

COMPUTER TO ScanPro CABLE

A FireWire (IEEE 1394) cable is included with your scanner purchase. This cable meets all of the specifications for connecting your microfilm scanner to a computer. Use this cable to connect your microfilm scanner to your computer.

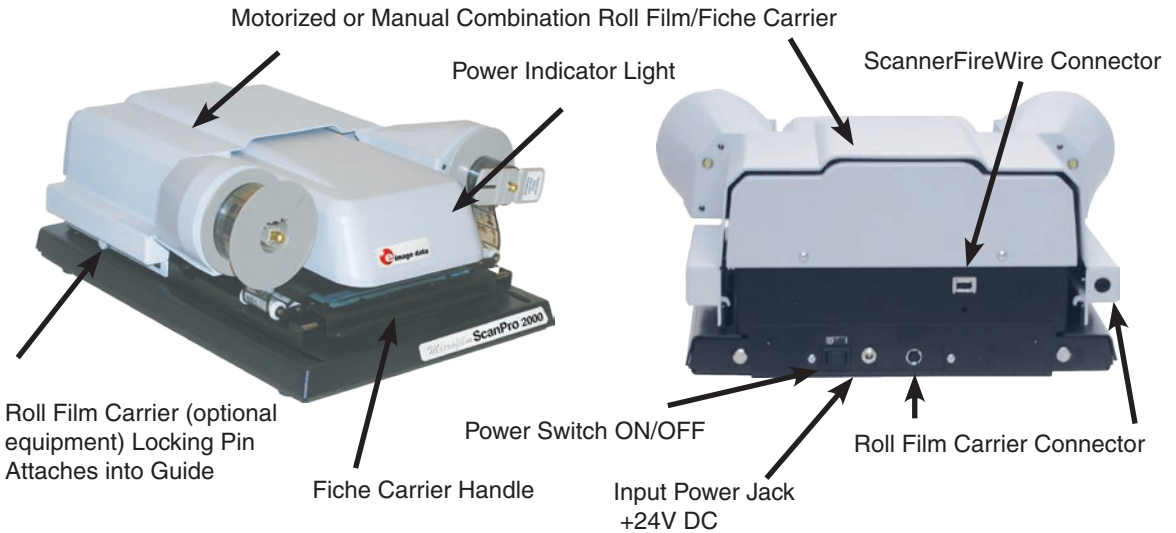
EQUIPMENT OVERVIEW

COMPACT DESKTOP, MICROFILM SCANNER

The ScanPro microfilm scanner (optional micro opaque capability) uses the latest digital technologies to bring you an exceptional compact viewer/scanner/printer that is sturdy and built for public use applications. This scanner provides many unique options and features that make it easy and efficient to work with all types of microfilm

OPTICAL ZOOM LENS

Your ScanPro 2000 zoom lens (7x-54x or 7x-105x) is factory installed.



PC SYSTEM REQUIREMENTS

Scanners are capable of inputting large amounts of data in relatively short periods of time. This can push your computer system to the limits of its capabilities. This means that you will need to evaluate the systems capabilities based on your intended scanning requirements. Your evaluation of system capability will need to consider processing speed, computer memory (RAM), and hard disk storage. Major factors to consider are scan type and resolution. High resolution gray scale scans are much more demanding than Half-Tone scans for both processing speed and memory.

If you will be using the Auto-Scan to automatically scan 35mm, 16mm, or cartridge roll film you should review the suggested computer requirements for that application.

Computer Requirements when used with Windows 2000, XP, or Vista:

see the following link:

http://e-imagedata.com/Win_Computer_Req.html

We have included a PCI FireWire card with your purchase. You can use this card if your computer does not have a FireWire port.

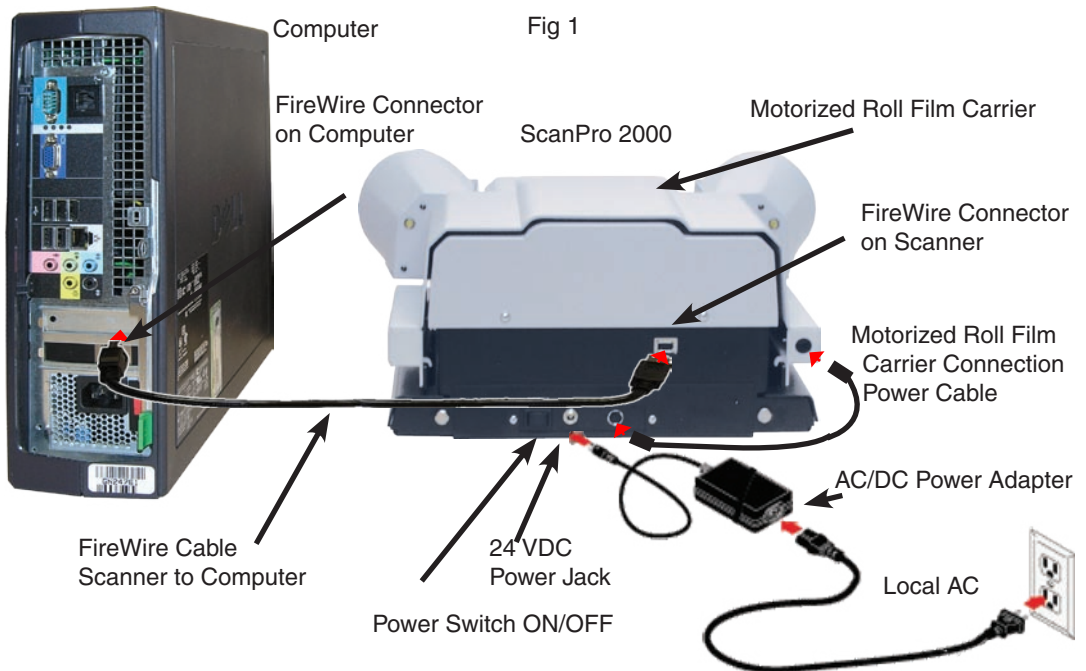
CONNECTING THE SCANNER TO THE COMPUTER

It has been our experience that NOT all computer FireWire ports and NOT all firewire cards operate the same way. It is strongly recommended that you use the FireWire card supplied with your purchase.

Connect your MICROFILM SCANNER to the COMPUTER using the FireWire CABLE shipped with your film scanner Fig1. This cable meets all of the specifications for this type of connection and it is strongly recommended that you use only this cable.

Connect the AC/DC Power Adapter to the Scanner and to your local AC power source shown below, Fig 1.

If you have a motorized Roll Film Carrier installed, connect Power Cable as shown below Fig 1..



INSTALLING THE PowerScan SOFTWARE (INSTALLATION INSTRUCTION SHEET available)

You can download the latest PowerScan software and installation instruction sheet from this web page: <http://e-imagedata.com/DRIVERS>

PowerScan SETUP MENU



SETUP Window PASSWORD is 1234

The password protected SETUP Window provides control over the following features:

1. Specify which control **BUTTONS** are available on the PowerScan **TOOLBAR**.
2. Specify the **ORDER** of the **BUTTONS** on the PowerScan **TOOLBAR**.
3. Specify the save-to location of **SCANS** (**DRIVE #1** and **DRIVE #2**).
4. Specify the file name **PREFIX**.
5. Specify the file **FORMAT** that is used when a scan is made.
6. **SHOW** or **HIDE** the **ROLL FILM CONTROL** for motorized film carrier.
7. **SHOW** or **HIDE** the **SAVE AS** Window when scanning.
8. Specifies **INCHES** or **MILLIMETERS**.
9. Specify **FIT TO PAGE** size.
10. **ENABLE** or **DISABLE** Print Offset.

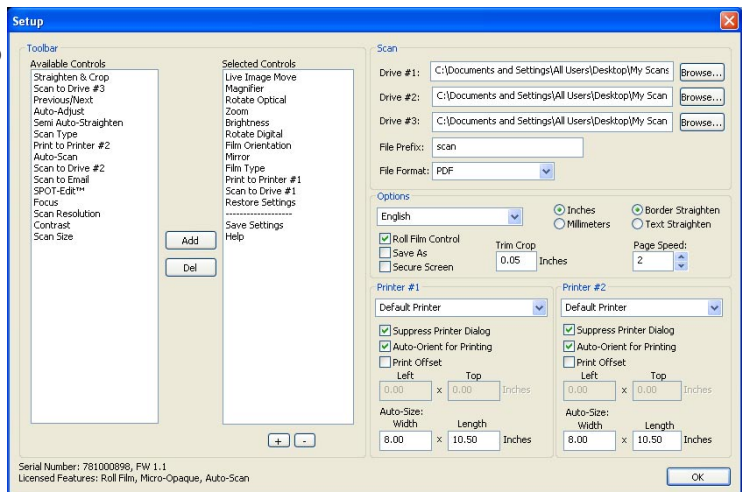
Toolbar: Specifying which control **BUTTONS** appear on the PowerScan **Toolbar**.

The control button names are listed in two columns titled **AVAILABLE CONTROLS** and **SELECTED CONTROLS** as shown on the **SETUP** Window, Fig 2. The **SELECTED CONTROLS** list specifies which controls are shown on the PowerScan **TOOLBAR**. The **AVAILABLE CONTROLS** list specifies which control buttons are **NOT** shown on the PowerScan **TOOLBAR**

- A. To add a control button to the PowerScan **Toolbar**, highlight the control button name on the **AVAILABLE CONTROLS** list by clicking on it and then **CLICK** the **ADD** button located between the **AVAILABLE CONTROLS** list and **SELECTED CONTROLS** list.
- B. To delete a control button from the PowerScan **Toolbar**, highlight the control button name on the **SELECTED CONTROLS** list by clicking on it and then **CLICK** the **DELETE** button located between the **AVAILABLE CONTROLS** list and **SELECTED CONTROLS** list.

Using the Control Buttons: The order of the control buttons on the PowerScan **toolbar** is determined by the order of the control button names shown on the **SELECTED CONTROLS** list. To change this order, highlight a control button name and **CLICK** the “+” or “-” below the **SELECTED CONTROLS** list.

2. Use the buttons on the toolbar to change setting and to work with the information that is stored on your film.
3. If you are not sure how a particular button operates, use the **HELP** function to obtain more information. You do that by clicking the help button, followed by clicking the button that is in question. That will open a help window for that button.



SPECIFICATIONS

TYPE:	Desktop, Compact Digital Microfilm Scanner
TYPE OF FILM:	Positive and negative film Microfiche, jackets, aperture cards 16mm & 35mm roll film open spool 16mm cartridge film (3M) Optional, Micro opaques Optional, Ultra Fiche (requires 7X to 105X lens)
SCREEN SIZE:	Any size Windows compatible video display
VIEWING:	Live viewing with magnifier
MAGNIFICATIONS:	Single zoom lens 7X to 54X or 7X to 105X
IMAGE ROTATION:	360° Optical and Digital
FOCUS CONTROL:	Auto and Manual
SCANNING SPEED:	High resolution scan in one second
SCANNING RESOLUTION:	Selectable 150, 200, 300, 400, 600
FILE FORMATS:	All common file formats including JPEG, PDF, TIFF. TIFF (LZW), TIFF (Group 4), PDF (Multipage), TIFF (Multipage), TIFF (LZW Mul- tipage), TIFF (Group 4 Multipage)
SCAN MODE:	Grayscale Half-Tone
CONTROLS:	Graphic buttons with customizable tool bar
COMPATIBLE OPERATING SYSTEMS:	Windows 2000, XP, Vista
HARDWARE INTERFACE:	FireWire IEEE 1394
DIMENSIONS (H x W x L):	7.5" x 12" x 16" (190mm x 305mm x 406mm)
WEIGHT:	19.5lbs. (9kg)
ScanPro POWER INPUT:	24VDC 63W max