CanoScan FS4000US

COLOUR DESKTOP FILM SCANNER

TECHNICAL SPECIFICATIONS

Model:	CanoScan FS4000US
Type:	Desktop film scanner
Optical resolution:	4000 x 4000dpi
Scanning element:	CCD
Light source:	Cold cathode fluorescent lamp (normal scanning); infrared light from the LED (when using FARE)
Interface:	USB 1.1/SCSI-2 *Selection of interface is via the switch on the bottom of the unit
Scanning bit depth:	Colour: 42-bit input/42 or 24-bit output Greyscale: 14-bit input/14 or 8-bit output
Optical density:	CCD Output 3.5 A/D Conversion 4.2
Supporting film:	35mm filmstrip, 35mm slide APS IX240 cartridge, IX240 slide* *Not supporting IX information with IX240 film slides
Focus:	Auto/manual
Scanning size:	24.0 x 36.0 (35mm), 15.6 x 27.4mm (APS film)
Preview speed:	6 - 287sec *preview speed, not including transfer time
Scanning speed:	Colour 1000dpi 12-72 sec* Colour 2000dpi 24-144 sec* Colour 4000dpi 48-287 sec* *Not including transfer time and depends on the film type
Supporting OS:	PC: Windows 98, 2000, Millennium Mac: Mac (OS 8.6 or higher)
Power consumption:	Operating 35W maximum, Stand-by 12W maximum
Power source:*	AC adapter (100-240V) *AC adapter types vary by region
Dimensions (W x D x H):	92 x 368 x 144mm (3.6" x 14.5" x 5.7")
Weight:	Approximately 2.4kg

Adobe PhotoShop 5.0 LE

Filmstrip holder

APS holder

Slide mount

WHAT IS IN THE BOX:

APS (IX240) Film cartridge holder, 35mm Filmstrip holder, Slide mount holder, USB cable and Power cord, Software CD-ROM and Manual

ADVANCED SCANNING, AUTO CORRECTION AND EDITING VIA PC AND MAC

FilmGet FS 1.0 for Windows (TWAIN driver) or Mac (Plug-in Module) Powerful scanning software developed specifically for film originals that will later be enlarged. It offers continuous scanning of APS and strip film and automatic adjustment of colour and exposure information while scanning.

Continuous scanning capability
Using the FilmGet driver, up to 40 slide frames can be scanned continuously, with each frame scanned independently.

FARE (Film Automatic Retouching and Enhancement)
Controlled via the FilmGet software, this function can be set to automatically detect and correct minor imperfections or dust on the original.

Automatic scan selection
Screen based control of scanner functions for save, display and output of scanned images.

Auto focus settings
Default setting that can be changed to manual control.

Colour matching
Compatible with ColorGear 1.9 (PC) and ColorSync 2.0-3.0 (Mac).

Image adjustment
Controls for histograms, brightness, contrast, tone curves, colour balance and threshold.

Automatic film identification
Detects 35mm sleeve (6 frames) and mount (4 frames) and APS (negative and positive).

Thumbnails (Mac only)
Simultaneous display of all frames in the film holder with automatic negative to positive conversion.

Adobe PhotoShop 5.0 LE (PC/Mac)
Powerful retouching and editing programme for advanced image control.

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Colour Film Scanner

4000 dpi

42-bit input/output

FARE technology

Dual Interface (USB/SCSI)

Batch Scanning

CanoScan FS4000US

CanoScan FS4000US Desktop Film Scanner with advanced film scanning and image editing

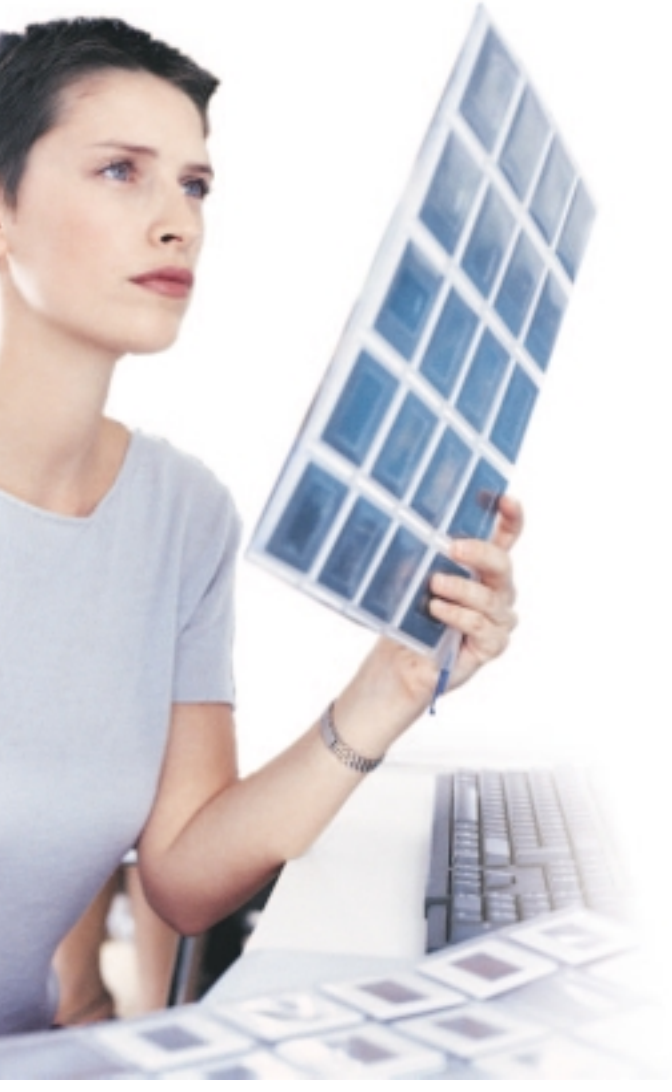
December 2001

May 2002

January 2002

CanoScan FS4000US Colour Film Scanner

This powerful and flexible film scanner handles 35mm negatives, slides and APS film for professional output, high resolution storage and advanced digital editing.



The CanoScan FS4000US is the first in its class to deliver 4000 dpi resolution and 42-bit colour depth for vivid, high quality scans. With the latest FARE technology it provides infra-red detection of minor imperfections or dust on originals for automatic retouching.

OUTSTANDING RESULTS WITH MULTI-FORMAT FILM HANDLING AND IMAGE OPTIMISATION.

The CanoScan FS4000US offers advanced desktop film scanning, with 4000 dpi resolution from Advanced Photo System (APS) positive film and 35mm negatives and slides. It is geared to the production demands of professionals who require fast throughput, powerful colour correction and image management with PC or Macintosh systems.

Using their world-leading technologies and expertise in business machines Canon has produced a scanner that combines refined optics and a new film advance mechanism to ensure 4000 x 4000 dpi resolution for superior film reproduction. Powerful firmware and software functions are used for image optimisation and colour control.

ADVANCED TECHNOLOGY

The CCD has an advanced three-line sensor and the cold cathode mercury fluorescent lamp uses a brightness feedback circuit to ensure high, stable luminance levels for vivid 14-bit scanning per RGB channel.

The dual-lamp system includes an infra-red light which works with Canon FARE technology to detect surface imperfections such as minor scratches and dust on film and corrects them automatically.

Colour enhancement is controlled during scanning by adjusting the tones in the scanned image and correcting underexposed or overexposed originals, and the autofocus has a manual override option for complete user control.

ADAPTABLE AND FAST

For ease of use with a Macintosh or PC the CanoScan FS4000US is both USB and SCSI compatible (a switch controls which port you use). The SCSI-2 interface enables ultra-fast data transfer for high volume throughput. With a choice of adapters, and automatic detection of film type, 35mm mounted film can be scanned in groups of four, 35mm negatives in strips of six or APS film in batches of 40 frames.

POWERFUL TOOLS

Many of the advanced features are accessed via the new FilmGet software driver for fine adjustment and control of batch scanning, output and auto/manual controls. The CanoScan FS4000US is also supplied with PhotoShop 5.0 LE for professional image editing and retouching.

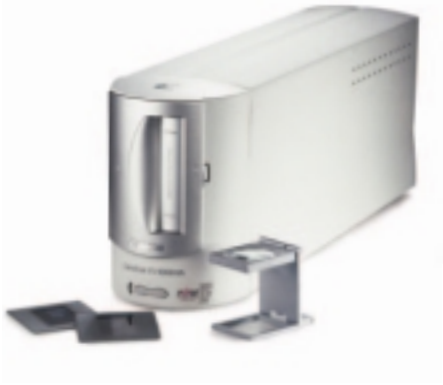


Image before and after automatic retouching by FARE technology.