PacificImage Electronics
www.scanace.com

The Best Valued Film Scanner!

PF3650u

- 48-bit, 3600 dpi optical resolution.
- Scan color or monochrome film and mounted slides.
- DIGITAL ICE³ Technology for dust and scratch removal, color reconstruction and grain management.
- One button scanning.

Don't think you would need a film scanner after you've gone all digital? *PF3650u is our best valued solution to convert all your accumulated negatives and slides into digital format. But that's not all, the PF3650u is not only capable of producing high quality digital images, but at a price you can afford. PF3650u will make your digital dream come true.*

Works with both Mac & Windows

Now includes Adobe Photoshop Elements

Designed for Microsoft® Windows® XP

digital ROC technology

digital GEM technology

digital ICE technology

PrimeFilm SERIES

PF3650u Incorporates DIGITAL ICE³ Technology

A superior digital enhancement tools that has been incorporated into PF3650u.The inclusion of Digital ICE³ by ASF(Kodak Austin Development Center) allows the users to digitally clean, correct and restore film images to optimize the image quality. Digital ICE³ imaging suite is the combination of Digtal ICE ™, Digital ROC ™ and Digital GEM ™. (Descriptions will be shown on the reverse side.)

Superior Scanning Quality

With 3600 dpi high resolution, PF3650u can produce maximum image sizes of 3,456 x 5,184 pixels for 35mm and get a perfect enlargement up to 10" X 14". A color depth of 48 bits and 3.2 dynamic range will be capable of producing sharp images for each scan, and delivering professional results.

The Fastest Data Transfer Interface

Equipped with USB 2.0 interface and backwards compatibility for USB 1.1, PF3650u is capable of transferring data as fast as 480MB per second -- which faciliates high speed transferring of your image files!

Powerful Editing Software Bundle

The PF3650u comes with the world class image editing tool-Adobe Photoshop Elements, which enables you to edit the images the way you like and allow you to produce high quality images for print

PF3650u PrimeFilm SERIES

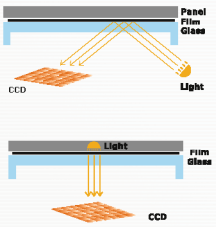
Flatbed Scanners can never be a REAL film scanner!
Get the best Results from your films with the PF3650u!

In order to get the BEST image from your films FAST, a dedicated film scanner is the only choice.
You can now get a real film scanner to digitize all your films with the new PF3650u at an affordable price.

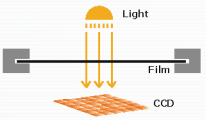
What are the differences between a dedicated film scanner and a regular flatbed scanner :

IMAGE SHARPNESS

Flatbed scanner



Film scanner



Scanning film with a diffused/scattered light source, such as a transparency adapter, through the thick glass of a flatbed scanner results in a blurred image with loss in fine details.

A dedicated scanner, on the other hand, utilizes a linear light source projecting through the film directly to the imaging lens without a glass in between, resulting in a sharp and crisp scanned image.

SCANNING SPEED

ICE off

Positive:
8 bit / 1800dpi / frame, 25 sec.
8 bit / 3600dpi / frame, 85 sec.

Negative:
8 bit / 1800dpi / frame, 30 sec.
8 bit / 3600dpi / frame, 90 sec.

ICE on

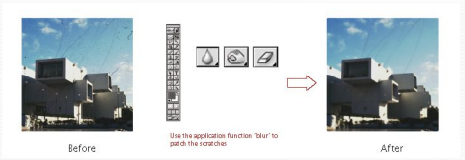
Positive:
8 bit / 1800dpi / frame, 95 sec.
8 bit / 3600dpi / frame, 195 sec.

Negative:
8 bit / 1800dpi / frame, 140 sec.
8 bit / 3600dpi / frame, 190 sec.

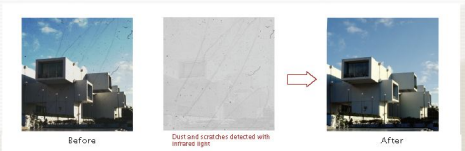
Testing System Requirements: P3 1G 512MB USB 2.0 8bit/RGB 60HD

As with a traditional camera, higher illumination (aperture) results in shorter exposure time (shutter speed). The linear lightource offers much higher illumination than that of a transparency adapter, and therefore, enables a dedicated film scanner to scan at a much higher speed than a flatbed scanner with an adapter.

DUST AND SCRATCH REMOVAL



Film grain



Digital ICE™ uses an extra infrared channel, which is in addition to the RGB color channel of the image, to detect the dust or scratches on the surface of film and then repair digitally.

Films are likely to have dusts, scratches, and other defects no matter how carefully you store them, and DIGITAL ICE Technology, designed specifically for dedicated film scanners, is by far the most effective tool to automatically remove these defects during scanning. Due to the fundamental difference in design architecture, an ordinary flatbed scanner is incapable of an ICE implementation. You would end up spending hours retouching your high resolution images with an image editing software.

Specifications

Scanning Media:	35 mm Film Strip & Mounted Slide (Positive or negative, color or monochrome)
Optical Resolution:	3600 dpi x 3600 dpi
Max. Scanning Area:	24.3mm x 36.5 (H x W)
Scanning Buffer:	2MB
Data Conversion:	16 bits per color channel (color mode)
Output Data:	16 bits, 8 bits per color channel (user selectable)
Scan Method:	Single pass
Dynamic Range:	3.2
Sensor:	3 Line CCD
Light Source:	White & Infrared LED array
Preview Speed::	About 5 sec / frame
Scanning Speed: (Slides)	8 bit / 1800dpi / frame, 25 sec. (*ICE off*) 8 bit / 3600dpi / frame, 85 sec. (*ICE off*) 8 bit / 1800dpi / frame, 95 sec. (*ICE on*) 8 bit / 3600dpi / frame, 195 sec. (*ICE on*)
Interface:	USB 2.0 (USB 1.1 included)
Dimensions:	70mm (H) x 169mm (W) x 278mm (L)
Net Weight:	1 kg (2.2 lb)

Recommended System Requirements

	PC	*MAC*
CPU	PIII 450MHz or later P4 1G is Recommended.	Power Mac G3 or later Mac G4 is Recommended.
RAM	256MB or larger	256MB or larger
HardDisk	512MB or greater	512MB or greater
OS	Windows 98SE/ME/2K/XP	MAC OS 9 & MAC OS X
Interface	USB 1.1 / 2.0	USB 1.1/2.0

Electrical Requirements

Output:	12V DC / 1.25 A
Input:	AC 100- 110V or AC 220-240V

Agency Approvals

C+UL, FCC, TUV, CE

(*specs. and content is subject to change without notice)

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