

MINOLTA

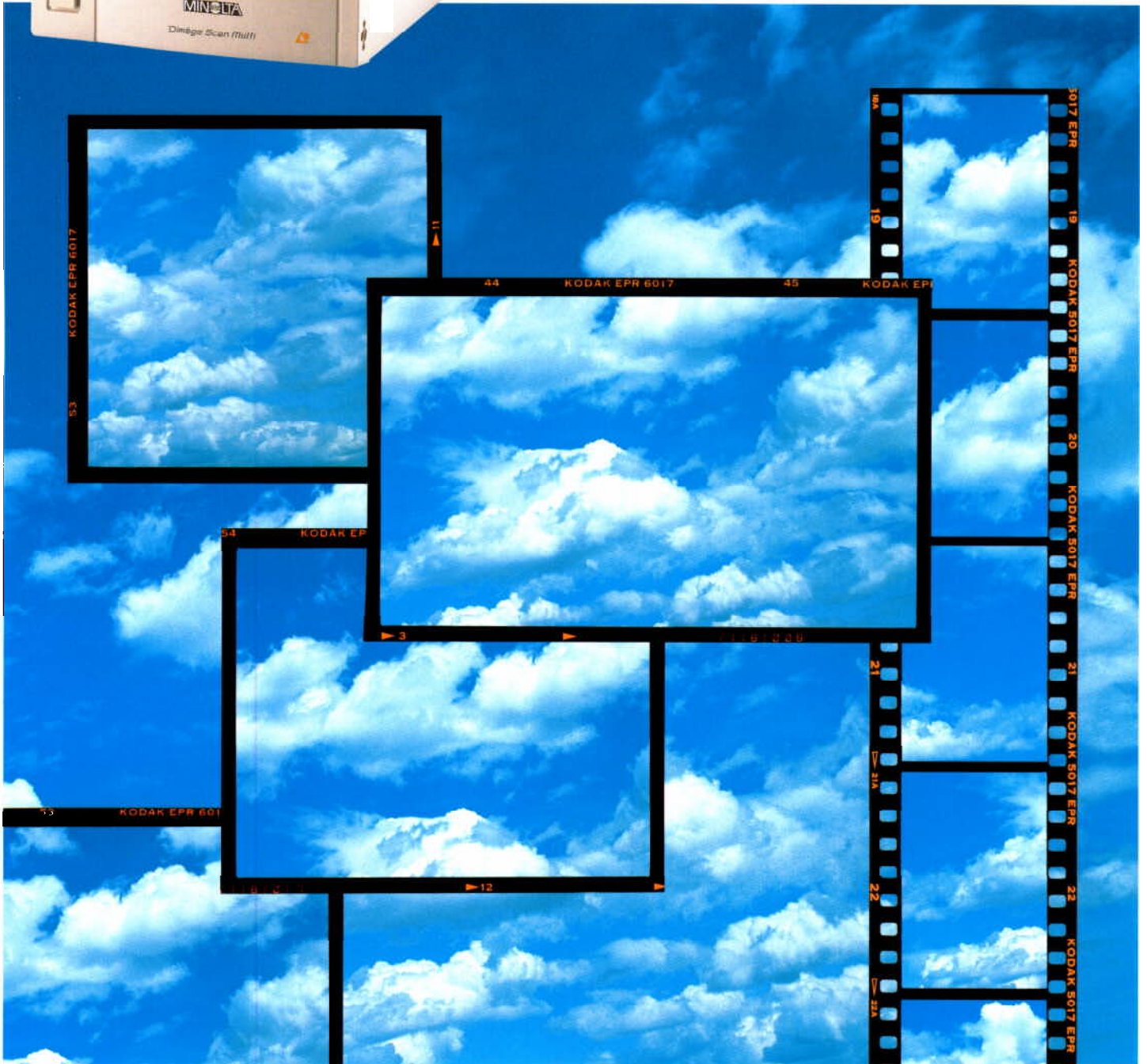
Dimàge Scan Multi

Multi-Format Film Scanner



- Medium format film (6×4.5, 6×6, 6×7, 6×9), 35mm, Advanced Photo System film, 16mm, Transmission Electron Microscope film
- Max. 2,820 dpi input resolution
- 12-bit A/D conversion for image input
- Max. 50 slides continuous scanning


anniversary



ONLY FROM THE MIND OF MINOLTA



VERSATILITY

Multi-Format Compatibility – Even up to 6x9cm!

In terms of scanning versatility, the Dimâge Scan Multi is the clear leader in its class. In addition to 35mm films, it also handles several sizes of medium (120/220) format films which have become popular among professional photographers, as well as Transmission Electron Microscope (TEM) films, 16mm and Advanced Photo System films. This makes it ideal for a broad range of applications – in photo and design studios, for DTP and website development, in medical facilities, universities, publishing houses, and many types of small businesses.

For maximum convenience, three different film holders are supplied with the scanner. The 35mm Film Holder accepts six frames of 35mm film, the Slide Mount Holder accepts four frame-mounted positives or negatives, and the Medium Format Film Holder has masks for different sizes, including those for 16mm and Advanced Photo System sleeve film. The Slide Feeder for 50 mounted slides and the Advanced Photo System Adapter are available as options.

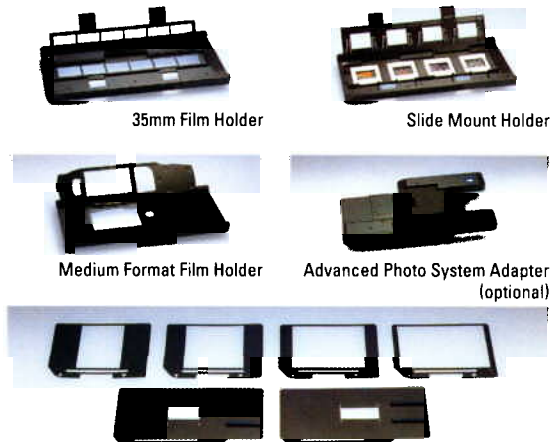
New Driver Software Simplifies Operation

Minolta's Unique JOB Function

Making the various settings for different scanning jobs is typically time-consuming and complicated. Minolta has changed all that with new driver software that has approx. 600 settings preset for you in nine categories. You just choose the category, select your desired setting and press OK. You can even customize your own settings and store them on your hard disk.

Precise Image Compensation with Easy Confirmation

In addition to histogram and tone curve compensation, the Dimâge Scan Multi offers a new easy-to-use Variation Window that lets you adjust the RGB color balance, brightness and contrast. The compensated image is displayed in the center of the window with the original image in the same size on the left, so you can easily confirm the degree of variation. What's more, you can enlarge both of these images at a single click for more detailed scrutiny.



35mm Film Holder

Slide Mount Holder

Medium Format Film Holder

Advanced Photo System Adapter (optional)



Masks: 6x4.5, 6x6, 6x7, 6x9, 16mm, Advanced Photo System film



Main Window

JOB name display

JOB select button

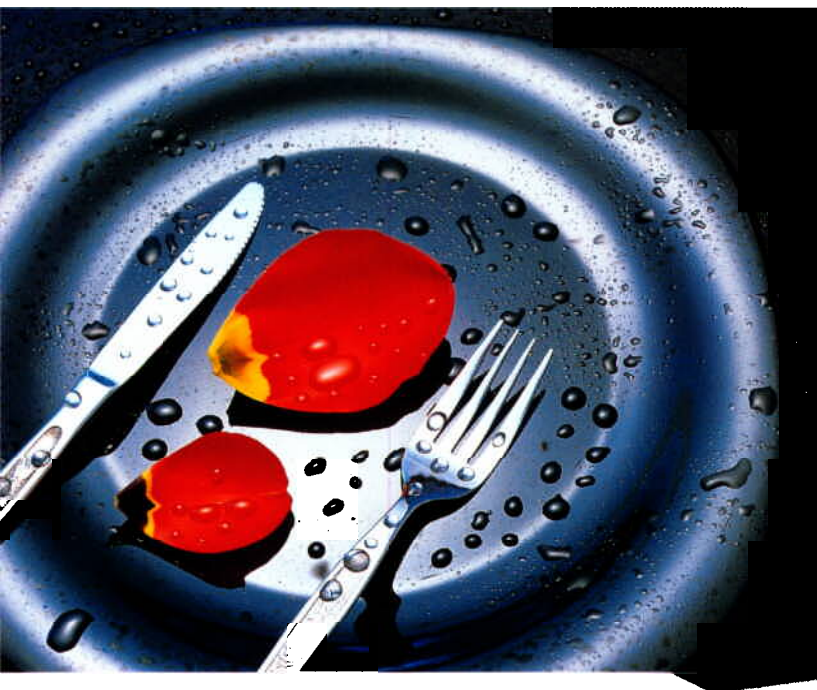


Variation Window

JOB register button

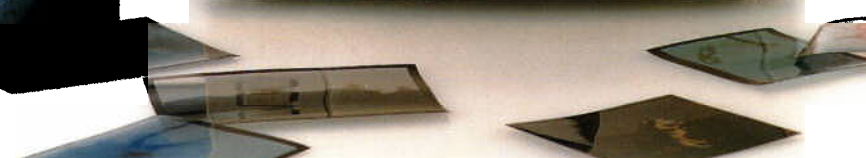
Original image

Currently compensated image



MINOLTA

Dimâge Scan Multi



HIGH QUALITY

Max. 2,820dpi Input Resolution

Scanning to a high standard of image fidelity is essential for professional applications. Dimâge Scan Multi gives you the performance you need, reading 35mm, 16mm and Advanced Photo System film images with a maximum input resolution of 2,820dpi. 120/220 films and others are read to a resolution of 1,128dpi (when the image data of these larger films are compressed to the same size as 35mm, the quality is the same).

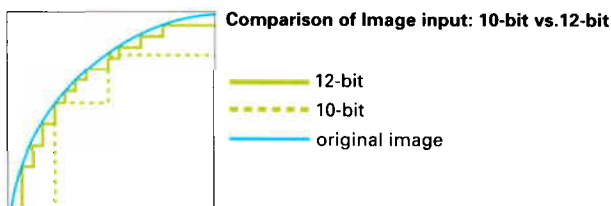
12-bit Image Input

Image input refers to how many gradations from lightest to darkest are used to compose the image. This is also an important factor in determining scanner quality. 12-bit input of the Dimâge Scan Multi means that the image has four times more gradations than conventional 10-bit types, resulting in smoother, more faithful color rendition. Furthermore, in addition to conventional 24-bit output (8 bits per R/G/B), the utility software permits 48-bit output (16 bits per R/G/B) when saved in the TIFF 48 file format.

High Precision Autofocus

Minolta's expertise in autofocus cameras has been put to good use in the Dimâge Scan Multi. In addition to standard auto focusing, the Point AF function lets you direct the autofocus at any particular point. Manual focusing is also possible, for producing your own creative images or for de-focusing specks on the film.

Film Format	Scan Size	Max. Input Pixels	Max. Input Resolution
35mm	24.20 × 36.30mm	2688 × 4032pixels	2820dpi
6 × 4.5	56.16 × 41.76mm	2496 × 1856pixels	1128dpi
6 × 6	56.16 × 56.16mm	2496 × 2496pixels	1128dpi
6 × 7	56.16 × 64.80mm	2496 × 2880pixels	1128dpi
6 × 9	56.16 × 83.52mm	2496 × 3712pixels	1128dpi
Advanced Photo System	17.28 × 29.95mm	1920 × 3328pixels	2820dpi
16mm	13.00 × 19.50mm	1444 × 2166pixels	2820dpi
TEM Film	56.16 × 82.00mm	2496 × 3644pixels	1128dpi



Wide 3.6 Dynamic Range

Dynamic range, or the ability to read optical density, is yet another vital scanner attribute. The wide dynamic range of 3.6 of the Dimâge Scan Multi ensures highly accurate scanning of the original image.

HIGH PRODUCTIVITY

Continuous Scanning

Up to six frames of 35mm sleeves can be continuously scanned, one by one in the order the frames appear in the holder. The Dimâge Scan Multi also allows continuous scanning of up to four frames with mounted films and up to 40 frames with Advanced Photo System film.

Slide Feeder Holds 50 Mounted Slides

An optional Slide Feeder makes it easy to scan large numbers of slides. It holds 50 mounted slides, which can be fed through automatically and are collected one by one in a separate slide carrier*. Scanning numerous slides for presentations and so on becomes an easy task.

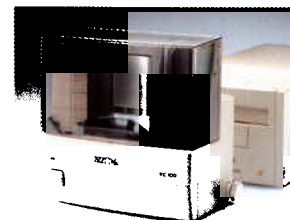
* When using slide mount with regular shape and 1/16 - 1/8in. thickness.

Fast Scanning

Scanning accuracy is important, but you don't want it to slow down your work. The Dimâge Scan Multi is not only high quality, it's fast: Minolta's original scanning IC optimizes scanning control, so medium format films are scanned as quickly as 35mm films.



Example: 6 frames for 35mm film



Slide Feeder (optional)*
* Available in early fall

Scan Time*

Film Format	Preview/Final Windows	Preview/Final Macintosh
35mm (positive)	approx. 10sec. / 48sec.	approx. 6sec. / 48sec.
6 x 9 (positive)	approx. 12sec. / 60sec.	approx. 9sec. / 55sec.

* Measurement conditions

	<Windows>	<Macintosh>
CPU	Pentium II 266MHz	PowerPC 604e 300MHz
RAM	128MB	64MB
Operating System	Windows 95	MacOS 8.0
Application	Adobe Photoshop 4.0.1	Adobe Photoshop 4.0.1
Driver Software	Dimâge Scan Multi TWAIN 32 source	Dimâge Scan Multi Photoshop Plug-in
Others	ASPI Version: 4.57 SCSI Board: Adaptec AHA-1520B	Virtual Memory: Off Preferred memory size of application: 34734KB

SPECIFICATIONS

Usable film type	35mm film: positive or negative, color or monochrome 120/220 film (6 x 4.5, 6 x 6, 6 x 7, 6 x 9): positive or negative, color or monochrome Advanced Photo System film: positive or negative, color (Advanced Photo System film adapter is optional) 16mm film: positive or negative, color or monochrome Transmission Electron Microscope film (5.9 x 8.2cm): positive or negative, color or monochrome
Effective scanning area	35mm: 24.20 x 36.30mm 6 x 4.5: 56.16 x 41.76 mm 6 x 6: 56.16 x 56.16mm 6 x 7: 56.16 x 64.80mm 6 x 9: 56.16 x 83.52mm Advanced Photo System film: 17.28 x 29.95mm 16mm: 13.00 x 19.50mm Transmission Electron Microscope film: 56.16 x 82.00mm
Scan system	Single-pass
Optical resolution	2,820dpi: 35mm film, Advanced Photo System film, 16mm film 1,128dpi: 120/220 film, Transmission Electron Microscope film
Image sensor	RGB 3-line CCD
Scan time*	35mm film (positive): <Preview> (Windows) approx. 10sec. / (Macintosh) approx. 6sec. <Final scan> (Windows) approx. 48sec. / (Macintosh) approx. 48sec. 6 x 9 film (positive): <Preview> (Windows) approx. 12sec. / (Macintosh) approx. 9sec. <Final scan> (Windows) approx. 60sec. / (Macintosh) approx. 55sec. Advanced Photo System Film (negative): <Index> (Windows) approx. 200sec. / (Macintosh) approx. 135sec.
A/D conversion	12-bit
Dynamic range	3.6
Continuous scan	35mm sleeves: 6 frames 35mm mounted slides: 4 frames Advanced Photo System Adapter (option): max. 40 frames Slide Feeder (option): max. 50 mounted slides of 35mm & Advanced Photo System film
Autofocus	Contrast detection by image scan CCD
Light source	Fluorescent lamp
Interface	SCSI - II
Power requirements	100 - 240 Volts AC, 50 / 60Hz
Power consumption	Max. 40W
Dimensions (W x H x D)	7-7/8 x 16-1/8 x 4-7/8 in.
Weight	211-5/8 oz.
Standard accessories	●Driver Software (Windows: TWAIN 32 driver / Utility / ASPI Layer 4.57, Macintosh: Adobe Photoshop Plug-in / Utility / ColorSync 2.0) ●Medium Format Film Holder MH-M1 ●Slide Mount Holder SH-M1 ●35mm Film Holder FH-M1 ●Power Cord PW-M2 ●SCSI CABLE SC-11
Optional accessories	●Slide Feeder SC-100 ●Advanced Photo System Adapter AD-100 ●Fluorescent Lamp Holder FL-100

* Measurement conditions:

<Windows>	CPU: Pentium II 266MHz / RAM: 128MB / Operating System: Windows 95 / Application: Adobe Photoshop 4.0.1 / Driver Software: Dimage Scan Multi TWAIN 32 source / ASPI Version: 4.57 / SCSI Board: Adaptec AHA-1520B
<Macintosh>	CPU: Power PC 604e 300MHz / RAM: 64MB / Operating System: MacOS 8.0 / Application: Adobe Photoshop 4.0.1 / Driver software: Dimage Scan Multi Photoshop Plug-in / Virtual Memory: Off / Preferred memory size of application: 34734KB

Specifications and accessories are based on the latest information available at the time of printing and are subject to change without notice.

PC SYSTEM REQUIREMENTS

CPU	PowerPC only (68K not supported)	i486DX2 - 66MHz or higher (Intel Pentium or later for Windows NT 4.0) (Pentium recommended)
Operating system	System 7.5 - MacOS 8.1	Windows NT 4.0 / Windows 95, 98
RAM	Free memory of 8MB or larger	32MB or larger
Screen size	16-inch (832 x 642 pixels) recommended, 13-inch possible	SVGA (800 x 600 pixels) or larger
No. of colors	32,000 minimum	16-bit high color, minimum
Required space on HD	approx. 90MB or larger	approx. 90MB or larger
Others	Adobe Photoshop 3.0.5 / 4.0.1 / 5.0 have been fully tested for use with the plug-in software.	Adobe Photoshop 3.0.5 / 4.0.1 / 5.0, Paintshop Pro 4.1E and Corel Draw 7 / 8 have been fully tested with the TWAIN driver software.

* Recommended SCSI board: Adaptec AVA-1505 / 1505 AE**, AHA-1520B, AHA-1540CP, AHA-2910B, AHA-2940J / U / AU / W / UW, AHA-2910C. ** (AVA-1505 AE is not recommended for Windows NT.)

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Minolta Co., Ltd.
Minolta Corporation
 Head Office
 Los Angeles Branch
Minolta Canada Inc.
 Head Office
 Vancouver Branch

Professional Marketing Services, Inc.
 4802 East Ray Road, Suite #2328
 Phoenix, AZ 85044-6417
 P: 480-940-5400 F: 480-940-5488
 Email: pmsi@promarketinc.com
 Web Site: www.promarketinc.com